

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

WW10613 / WW81782 / WW38427

Use this Help Guide when you have issues or questions on how to use this unit.

This Help Guide is intended to provide information about three models: ECM-W5, ECM-W5R, and ECM-W5T. ECM-W5 is factory-paired so that the receiver and microphone can communicate with each other.

Compatible devices

For the cameras and headphones that are compatible with this unit, view the following topics.

- [Compatible cameras](#)
- [Compatible headphones](#)

If the message “This accessory is not supported by the device and cannot be used.” is displayed on the camera:

See the linked topic.

Basic operations of the receiver

For basic receiver operations and transitions between screens, including menu screens, see the following.

- [Operating the receiver](#)
- [Screen transitions](#)

[Information for ECM-W5R and/or ECM-W5T customers](#)

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Charging the built-in batteries

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Basic operations of the receiver

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[Connecting the microphone to the receiver](#)

[Connecting headphones to the receiver](#)

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Recording on a camera

[Recording audio on a camera using two microphones](#)

[Recording audio on a camera using four microphones](#)

[Recording audio on a camera using headphones as the microphone](#)

[Recording audio on a camera using the external microphone connected to the receiver](#)

[Recording audio on a camera using the external microphone connected to the microphone](#)

[Setting the sampling frequency and quantization bit depth on the camera](#)

Additional functions

[Monitoring audio using headphones](#)

[Using the timecode function](#)

[Recording audio to the built-in memory of the microphone](#)

Settings

[About channel settings](#)

Receiver menu

- [TIMECODE ON/OFF](#)
- [TIMECODE SET.](#)
- [PAIRING](#)
- [POWER LINK](#)
- [MISHOE SET.](#)

Built-in REC menu on the microphone

- [AUTO REC](#)
- [TX LINK](#)
- [REC AUDIO SET.](#)
- [REC LC/NR FILTER](#)
- [OVERWRITE REC](#)
- [STORAGE \(DELETE\)](#)

Headphone menu

- [MONITOR SET.](#)
- [BINAURAL](#)
- [MIRROR](#)

System menu

- [MODE SELECT](#)
- [BRIGHTNESS](#)
- [DATE/TIME](#)
- [INITIALIZE](#)
- [TX IDENTIFY](#)
- [TX LAMP](#)
- [VERSION](#)

About this unit

[About the pickup pattern and the frequency response](#)

[Bluetooth® Wireless Communication Technology.](#)

[Notes on use](#)

[Specifications](#)

[Trademarks](#)

[If the message “This accessory is not supported by the device and cannot be used.” is displayed on the camera:](#)

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Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Information for ECM-W5R and/or ECM-W5T customers

This Help Guide mainly describes how to use ECM-W5.

Customers who purchased ECM-W5R and/or ECM-W5T should also refer to the following information, if applicable.

Information for ECM-W5R (Wireless Receiver) customers

- [How to record using an external microphone](#)
- [How to record using headphones](#)

Information for ECM-W5T (Wireless Transmitter) customers

- [How to connect an additional microphone to your receiver when you already have ECM-W5](#)
- [How to connect the microphone to a smartphone or computer using a Bluetooth connection](#)

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Compatible cameras

This unit is compatible with the cameras that are equipped with the Multi Interface Shoe, including the Sony Interchangeable Lens Digital Camera.

However, even if your camera is equipped with the Multi Interface Shoe, it may not be usable with this unit or some functions may not be available.

The unit is factory-configured to connect to cameras with the Multi Interface Shoe supporting a digital audio interface.

For the camera models that are compatible with the unit, visit the following websites.

- [Camera models compatible with ECM-W5](#)
- [Camera models compatible with ECM-W5R](#)

Related Topic

- [If the message "This accessory is not supported by the device and cannot be used." is displayed on the camera:](#)

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Wireless Microphone/Wireless Receiver/Wireless Transmitter
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Compatible headphones

For details about compatibility between this unit and wireless headphone models, visit the website at:

<https://www.sony.net/di/TWS/>

- When using the Sony headphones that support only Classic Audio
The headphones' microphone can be used for monaural audio recording. Monitoring and binaural audio recording are not available.
- When using the Sony headphones that support LE Audio
The headphones' microphone can be used for audio recording and monitoring. If your headphones support binaural audio recording, binaural audio recording is also available.
Before pairing your headphones with this unit, be sure to use the “Sony | Sound Connect” app on your smartphone to switch to LE Audio priority mode.
For details about the “Sony | Sound Connect” app, visit the website at:
<https://www.sony.co.jp/en/sca/>

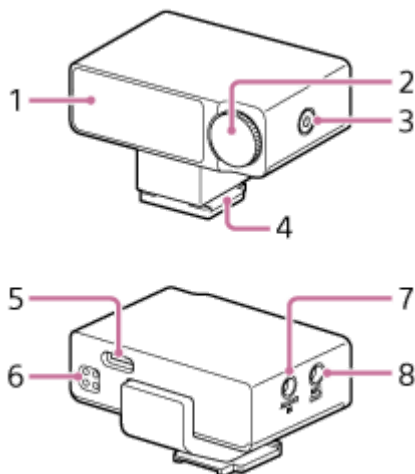
Note

- If you switch your headphones from Classic Audio mode to LE Audio priority mode using the “Sony | Sound Connect” app, delete the pairing information for the headphones, and then pair them again.
Once pairing and connection are complete, the name of your headphones and [LE Audio] are displayed.

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Locating parts and controls

Receiver



1. Monitor (Touch panel)

2. Control wheel/button

3. ON/OFF (Power) button

4. Multi Interface Shoe adaptor

5. USB Type-C® terminal

Connect this terminal to a power source using a commercially available USB Type-C cable for charging the receiver battery or supplying power to the receiver.

You can also connect the receiver to a USB audio input-compatible device, such as a computer or smartphone, for audio recording.

6. Charging terminal

Use the charging case to charge the receiver.

7. Audio input jack

Connect an external microphone (not supplied) for audio recording. For details, see [“Recording audio on a camera using the external microphone connected to the receiver.”](#)

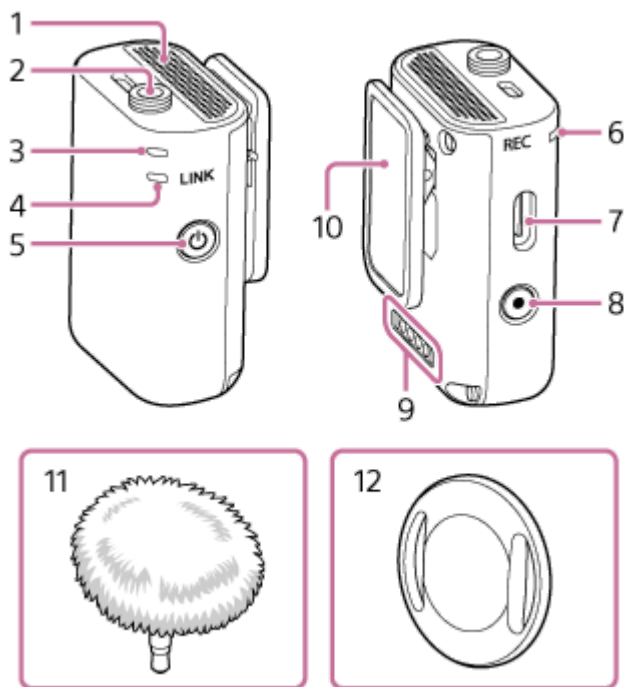
You can also use this terminal to connect a camera's headphone output jack using a commercially available 3.5 mm TRS audio cable to monitor the camera's audio through Bluetooth headphones connected to the receiver.

For details about the settings for monitoring camera audio, see [“MONITOR SET..”](#)

8. Microphone out jack

Connect this jack and the microphone in jack on your camera using a commercially available 3.5 mm TRS audio cable for audio recording.

Microphone



1. Internal microphone

2. External microphone jack (monaural)

Connect an external microphone (not supplied) to this jack. The audio input source is automatically switched to the connected external microphone.

3. Power lamp

You can check the power and charging status of the microphone.

When the power lamp continues to flash orange slowly, the battery needs to be charged.

4. LINK lamp

You can check the communication status of the microphone.

5. ON/OFF (Power) button

6. REC lamp

Stays lit while recording to the built-in memory of the microphone is in progress. Flashes when the microphone audio is muted.

7. USB Type-C terminal

Connect this terminal to a power source using a commercially available USB Type-C cable for charging the microphone battery or supplying power to the microphone.

You can also connect the microphone to the USB port on a computer to check the recorded data stored in the microphone's built-in memory on the computer.

8. REC (Recording) button

9. Charging terminal

Use the charging case to charge the receiver.

10. Clip

Use this clip to attach the microphone to your clothing.

11. Wind screen

Attach the wind screen to the microphone to reduce noises caused by breath or strong wind.

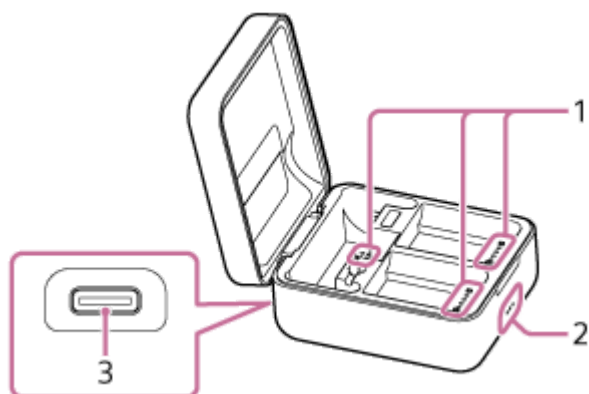
12. Magnet

Use this magnet to attach the microphone to your clothing.

Note

- A Bluetooth antenna is built into the microphone near the serial number label on the bottom of the microphone. Holding the microphone in a way that covers this area may affect the wireless communication range.

Charging case



1. Charging terminal

2. Charging status indicator lamp

You can check the battery status of the charging case.

You can also check the remaining battery level of the charging case by opening the lid when the charging case is not being charged.

3. USB Type-C terminal

Place the receiver and/or the microphone into the charging case and connect this terminal to a power source using a commercially available USB Type-C cable to charge the batteries of the receiver, microphone, and charging case.

You can also connect the charging case with the microphone inside to the USB port on a computer to check the recorded data stored in the microphone's built-in memory on the computer.

Note

- Do not intentionally push in the charging terminal except when placing the receiver or microphone into the charging case. Doing so may cause a malfunction.

Related Topic

- [Charging the built-in batteries with the charging case](#)
- [Charging the built-in battery of the receiver/microphone with a USB Type-C cable](#)
- [Attaching the microphone to clothing](#)
- [Attaching the wind screen](#)
- [Lamp indications](#)

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Lamp indications

The lamps on this unit light up, flash, or turn off according to the device status or communication status as described below.

●: Lit in green / ●: Lit in orange / ●: Lit in blue / ●: Lit in yellow / ●: Lit in red / ●: Unlit

Power lamp (Microphone)

- When the microphone is on and the battery level is sufficient
 (Lit in green)
- When the microphone battery level is low
 (Flashes slowly in orange)
- When the microphone is being charged
 (Lit in orange)
The lamp turns off when charging is complete.
- When a charging error occurs (such as abnormal battery temperature)
 (Flashes quickly in orange)

LINK lamp (Microphone)

Connecting the microphone to the receiver

- When the microphone is in Bluetooth connection standby
 (Flashes slowly in blue)
- When the microphone enters pairing mode
 (Flashes quickly in blue)
- When a Bluetooth connection is established and audio can be recorded clearly
 (Lit in blue)
- When the communication status is poor and audio is interrupted
 (Flashes in blue (The faster it flashes, the poorer the communication status.))^{*}

Connecting the microphone to a smartphone/computer

- When the microphone is in Bluetooth connection standby
 (Flashes slowly in yellow)
- When the microphone enters pairing mode
 (Flashes quickly in yellow)
- When a Bluetooth connection is established and audio can be recorded clearly
 (Lit in yellow)
- When the communication status is poor and audio is interrupted
 (Flashes in yellow (The faster it flashes, the poorer the communication status.))^{*}

^{*} Due to surrounding factors, including poor radio conditions and a large number of obstacles between the microphone and the receiver/smartphone/computer, the communication status between the two devices may deteriorate, causing audio interruptions or noise. When

this occurs, the LINK lamp on the microphone continues to flash. Make sure that the two devices are positioned at an appropriate distance from each other, that there are no obstacles between them, and that the LINK lamp is lit steadily before using the microphone.

REC lamp (Microphone)

- When recording with the microphone
 (Lit in red)
- When the microphone is muted
 (Flashes slowly in red)

Charging status indicator lamp (Charging case)

You can check the charging status, remaining battery level, and battery status of the charging case.

- When the charging case is being charged
 - The charging case battery level is 60% or higher.
 (The left and center lamps are lit, and the right lamp flashes.)
 - The charging case battery level is 6% to 59%.
 (The left lamp is lit, the center lamp flashes, and the right lamp is unlit.)
 - The charging case battery level is 0% to 5%.
 (The left lamp flashes, and the center and right lamps are unlit.)
 - Battery charging is completed.
All three lamps turn off.
- When opening the lid of the charging case while the charging case is not being charged
 - The charging case battery level is 80% or higher.
 (All three lamps are lit.)
 - The charging case battery level is 61% to 79%.
 (The left and center lamps are lit, and the right lamp is unlit.)
 - The charging case battery level is 6% to 60%.
 (The left lamp is lit, and the center and right lamps are unlit.)
 - The charging case battery level is 5% or lower.
 (All three lamps flash.)
- When a charging error occurs (such as an abnormal battery temperature)
All three lamps flash quickly.

Related Topic

- [Locating parts and controls](#)
- [Charging the built-in batteries with the charging case](#)
- [Charging the built-in battery of the receiver/microphone with a USB Type-C cable](#)
- [Connecting the microphone to the receiver](#)
- [Connecting the microphone to a smartphone/computer](#)
- [Recording audio to the built-in memory of the microphone](#)

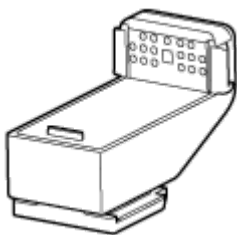
Wireless Microphone/Wireless Receiver/Wireless Transmitter
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Unpacking

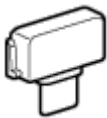
If you find anything missing, please contact your dealer.
The number in the parentheses indicates the quantity.

ECM-W5

- Microphone (2)
- Receiver (1)
Multi Interface Shoe adaptor (attached to the receiver) (1)



- Charging case (1)
- USB adaptor (1)



- Adaptor terminal protection cap (1)



- Wind screen (2)
- Magnet (2)
- Pouch (1)
- Set of printed documentation

ECM-W5R

- Receiver (1)
Multi Interface Shoe adaptor (attached to the receiver) (1)
Multi Interface Shoe protection cap (attached to the Multi Interface Shoe adaptor) (1)
- USB adaptor (1)
- Adaptor terminal protection cap (1)
- Pouch (1)

- Set of printed documentation

ECM-W5T

- Microphone (1)
- Wind screen (1)
- Magnet (1)
- Pouch (1)
- Set of printed documentation

Note

- The supplied accessories may vary depending on the country or region. Refer to the Startup Guide (supplied) for information on the supplied accessories.

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Charging the built-in batteries with the charging case

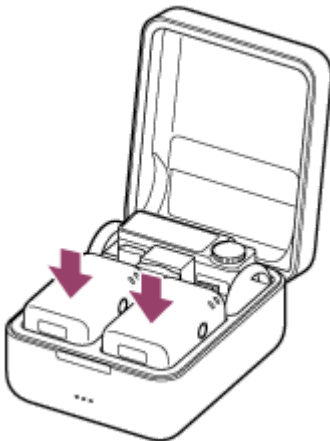
Each of the receiver, the microphone, and the charging case has a built-in lithium-ion rechargeable battery. Connect the charging case and a power source with a commercially available USB Type-C cable to charge the batteries.

1 Place the receiver and/or the microphone into the charging case.

The receiver and/or the microphone automatically turns off.

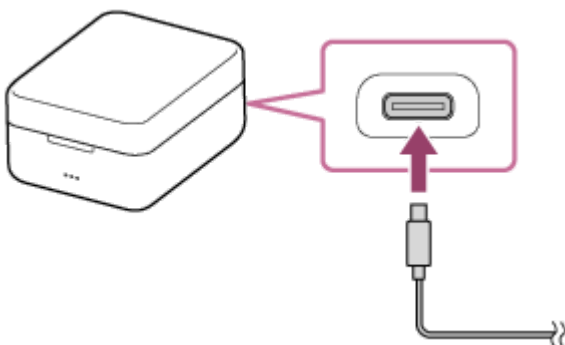
Note

- Be sure to push in the microphone until it clicks into place. When the microphone is properly placed, its power lamp lights in orange, indicating that battery charging has started.
- When the charging case battery runs out of power, the receiver and/or the microphone does not turn off automatically.



After placing them in the charging case, close the lid.

2 Connect one end of the USB Type-C cable to the USB Type-C terminal on the back of the charging case.



3 Connect the other end of the USB Type-C cable to a commercially available USB AC adaptor or other USB power source.

The charging status indicator lamp on the charging case lights in orange, indicating that battery charging has started.

When the charging case battery is fully charged, the charging status indicator lamp turns off.

Hint

- You can check the charging status of the receiver and/or the microphone by opening the lid of the charging case while charging is in progress. The charging status is displayed on the receiver's system status screen or indicated by the orange power lamp on the microphone. When charging is complete, the power lamp on the microphone turns off.  (Fully charged) is also displayed on the receiver's screen. For details, see "[Lamp indications](#)" and "[System status screen](#)."
- The display on the receiver and the power lamp on the microphone turn off 1 minute after you open the charging case lid while charging. To check the charging status, close the charging case lid and then open it. The display on the receiver appears again, allowing you to check the charging status.
- Normally, the receiver and the microphone turn on automatically when you remove them from the charging case. However, they may not turn on automatically in the following cases:
 - You open the charging case lid while charging and remove the receiver and the microphone, after 1 minute has elapsed and the display on the receiver and the power lamp on the microphone have turned off.
 - You open the charging case lid while charging and remove the receiver before the display on the receiver appears.

If the receiver or the microphone does not turn on automatically, turn it on manually. For the receiver, you can turn it on automatically by placing it in the charging case, waiting until the display on the receiver appears, and then removing it.

About the battery charging time

By placing the receiver and/or the microphone in the charging case and charging the charging case, the receiver, the microphone, and the charging case are charged simultaneously.

Charging the microphone for approximately 5 minutes provides approximately 2 hours^{*1} of operation.

- Time required to fully charge the receiver and the microphone: approximately 55 minutes^{*2} ^{*3}
- Time required to fully charge the charging case alone: approximately 150 minutes^{*2}

^{*1} The operating time is based on the following operating conditions.

- The microphone is connected to the receiver.
- No external microphone is connected to the audio input jack.
- The input gain is set to 0.
- The LC (Low Cut) filter and NR (Noise Reduction) are off.
- The receiver is set to [2TX] mode, and audio is transmitted at close range without interference.

^{*2} The time required to fully charge the battery from a completely depleted state using a USB AC adaptor with an output of 5 V  and 3 A. The charging time may vary depending on the usage conditions.

^{*3} The receiver and the microphone in the charging case are given priority for charging over the charging case itself.

Charging the receiver and/or the microphone while on the go

Charging the charging case in advance allows you to charge the receiver and/or the microphone by placing them in the charging case even when no power source is available while on the go.

The receiver and microphone can each be fully charged approximately once from a completely depleted battery state.

Notes on charging the receiver and/or the microphone while on the go

- When the charging case battery is depleted, placing the receiver and/or the microphone into the charging case does not automatically turn them off.
- When you open or close the lid of the charging case, or remove the receiver and/or the microphone from the charging case, the charging status indicator lamp (orange) lights up or flashes depending on the remaining battery level of the charging case. If the lamp flashes, the remaining battery level of the charging case is low. Charge the charging case.

Information about the charging case battery

With the receiver placed in the charging case, press and hold the control wheel/button to display the charging case battery information on the receiver's screen.

Hint

- To charge the battery using a commercially available USB AC adaptor, make sure that the adaptor has a rated output current of 3 A or higher.

Note

- When the charging case is connected to a USB AC adaptor or a computer, do not apply excessive force to any of them. Doing so may cause damage to the charging case, the USB AC adaptor, or the computer.
- Connecting the charging case to a laptop computer that is not connected to an AC power outlet may deplete the battery power of the computer. Do not leave the charging case connected for an extended period of time.
- Use of any customized or hand-built computer is not guaranteed for battery charging or for connection to this unit. Depending on the USB devices used simultaneously, proper operation may not be possible.
- This unit is not guaranteed to operate with all USB AC adaptors and computers.
- When you are charging this unit using a computer, charging stops if the computer enters standby (sleep) or hibernate mode. In this case, change the computer settings and charge the unit again.
- If this unit has not been used for an extended period of time, the battery life may be shorter. After repeating charging and discharging several times, the battery can be charged sufficiently. When storing the unit for an extended period of time, charge it approximately once every six months to prevent over-discharge.
- If this unit has not been used for an extended period of time, charging may take longer.
- If a problem occurs with any of the batteries of this unit and an abnormality is detected during charging, the three charging indicator lamps (orange) on the charging case continue to flash.
We recommend charging the unit when the ambient temperature is between 10 °C and 30 °C (50 °F and 86 °F). Efficient charging may not be possible outside this temperature range.
If the issue persists, consult your nearest Sony dealer.
- When you charge this unit after it has not been used for an extended period of time, the charging status indicator lamp (orange) on the charging case may not light up immediately. Wait until the charging status indicator lamp lights up.
- If the battery life becomes extremely short, it is time to replace the battery. Consult your nearest Sony dealer.
- Avoid exposing this unit to rapid changes in temperature, direct sunlight, fog, sand, dust, and electrical shocks. Never leave the unit in a parked vehicle.
- When connecting the charging case to a computer, be sure to use only a USB Type-C cable and connect it directly. Connecting via a USB hub or other device may prevent proper charging.

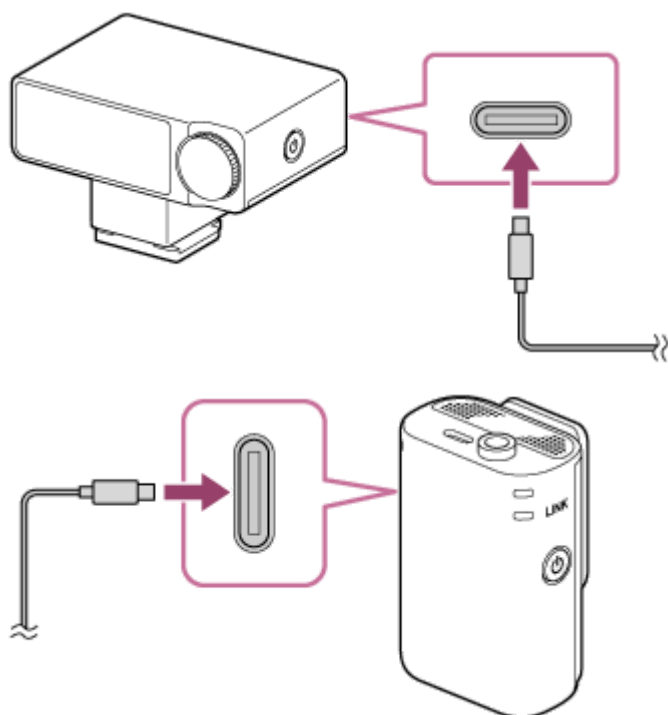
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Charging the built-in battery of the receiver/microphone with a USB Type-C cable

You can charge the receiver and/or the microphone without using the charging case by connecting a commercially available USB Type-C cable to each device.

- 1 Connect one end of the USB Type-C cable to the USB Type-C terminal on the receiver/microphone.



- 2 Connect the other end of the USB Type-C cable to a commercially available USB AC adaptor or other USB power source.

During charging, the system status screen is displayed on the receiver, and the orange power lamp on the microphone lights up.

When the microphone is fully charged, the power lamp turns off.

On the receiver's screen,  (Fully charged) is displayed and disappears after 1 minute.

Hint

- You can use the receiver/microphone while battery charging is in progress.

Note

- When the receiver/microphone is connected to a USB AC adaptor or a computer, do not apply excessive force to any of them. Doing so may cause damage to the receiver, the microphone, the USB AC adaptor, or the computer.
- Connecting the receiver/microphone to a laptop computer that is not connected to an AC power outlet may deplete the battery power of the computer. Do not leave the receiver/microphone connected for an extended period of time.
- Use of any customized or hand-built computer is not guaranteed for battery charging or for connection to this unit. Depending on the USB devices used simultaneously, proper operation may not be possible.

- This unit is not guaranteed to operate with all USB AC adaptors and computers.
- When you are charging this unit using a computer, charging stops if the computer enters standby (sleep) or hibernate mode. In this case, change the computer settings and charge the unit again.
- If this unit has not been used for an extended period of time, the battery life may be shorter. After repeating charging and discharging several times, the battery can be charged sufficiently. When storing the unit for an extended period of time, charge it approximately once every six months to prevent over-discharge.
- If this unit has not been used for an extended period of time, charging may take longer.
- If a problem occurs with the battery of the microphone and an abnormality is detected during charging, the power lamp (orange) on the microphone continues to flash.
We recommend charging the microphone when the ambient temperature is between 10 °C and 30 °C (50 °F and 86 °F). Efficient charging may not be possible outside this temperature range.
If the issue persists, consult your nearest Sony dealer.
- When you charge the microphone after it has not been used for an extended period of time, the power lamp (orange) on the microphone may not light up immediately. Wait until the power lamp lights up.
- If the battery life becomes extremely short, it is time to replace the battery. Consult your nearest Sony dealer.
- Avoid exposing this unit to rapid changes in temperature, direct sunlight, fog, sand, dust, and electrical shocks. Never leave the unit in a parked vehicle.
- When connecting the receiver/microphone to a computer, be sure to use only a USB Type-C cable and connect it directly. Connecting via a USB hub or other device may prevent proper charging.

Related Topic

- [Lamp indications](#)
- [System status screen](#)
- [Connecting the receiver to a computer or a smartphone](#)

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Setting the date and time

Operate the receiver to set the date and time.

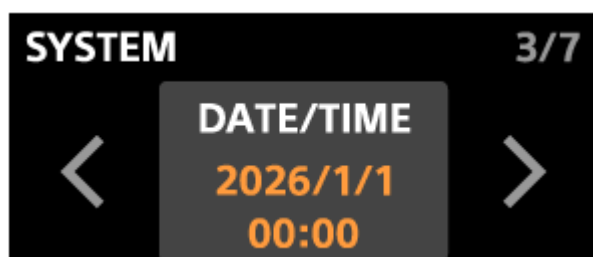
For details about operating the receiver, see [“Operating the receiver.”](#)

- 1 Press and hold the ON/OFF (Power) button on the receiver for 2 seconds to turn on the receiver.
- 2 When the microphone status screen appears on the receiver's display, swipe up from the bottom of the screen.
The control menu screen is displayed.
- 3 Turn the control wheel/button to the right to select [SYSTEM], and then press the button to confirm the selection.



The system menu is displayed.

- 4 Turn the control wheel/button to the right to select [DATE/TIME], and then press the button to confirm the selection.



- 5 Tap the left side of the screen to set the date.

Set the year, month, and day in that order, and select the date display format from the following options in [DATE FORMAT].

- YYYY/MM/DD
The date is displayed as year/month/day.
- MM/DD/YYYY
The date is displayed as month/day/year.
- DD/MM/YYYY
The date is displayed as day/month/year.

Tapping  (Back) on the screen to return to the previous screen.

If you do not change the setting, briefly press the ON/OFF (Power) button on the receiver to return to the previous screen.

6 Tap the right side of the screen to set the time.

Set the hour and minute in that order.

Related Topic

- [Turning on/off the receiver/microphone](#)
- [Control menu screen](#)
- [DATE/TIME](#)

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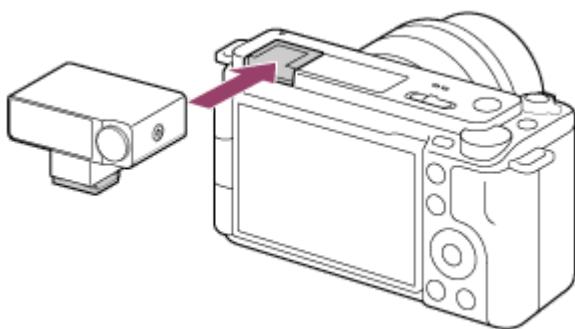
Attaching the receiver to a camera

Attach the receiver to a camera.

Note

- Before attaching the receiver to a camera, fully charge the receiver.
- If you connect the receiver to another device using a USB cable while the receiver is attached to the Multi Interface Shoe on a camera, the connection between the camera and receiver via the Multi Interface Shoe will be disconnected.

- 1 Align the Multi Interface Shoe adaptor of the receiver with the Multi Interface Shoe on the camera, and then slide the receiver into the Multi Interface Shoe.**



Note

- Be sure to slide the receiver all the way into the Multi Interface Shoe on the camera.
- If the built-in flash on the camera is raised, push it down.

- 2 Check the receiver settings.**

From the receiver's control menu screen, select [RX] and check the [MISHOE SET.] setting. Set it to [DIGITAL] or [ANALOG] according to the camera with the receiver attached. The default setting is [DIGITAL]. For details, see “MISHOE SET..”

If the setting is incorrect, a compatibility message is displayed on the camera. For compatible devices, visit the following websites.

- ECM-W5
<https://www.sony.net/dics/ecmw5/>
- ECM-W5R
<https://www.sony.net/dics/ecmw5r/>

To remove the receiver

Slide the receiver in the direction opposite to that for attachment.

Hint

- You can also connect the receiver's microphone out jack to the camera's microphone input jack using a commercially available 3.5 mm TRS audio cable. In this case, audio is output as an analog signal through the cable.

Related Topic

- [Charging the built-in batteries with the charging case](#)
- [Operating the receiver](#)
- [Control menu screen](#)

TP1002542185

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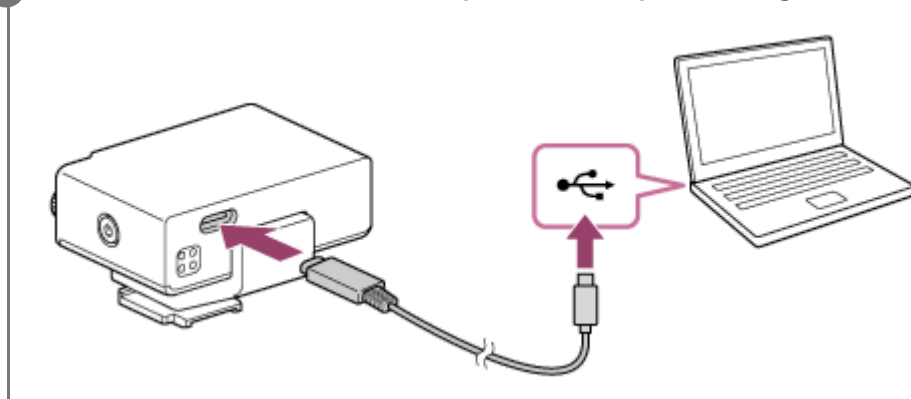
Connecting the receiver to a computer or a smartphone

Connect the receiver to a computer or a smartphone. You can output audio signals to a computer or smartphone through a USB connection.

Note

- For operations with the computer or smartphone, refer to the operating instructions supplied with your device.
- To record audio by connecting the receiver to a computer or smartphone, the device you are using must support USB Audio Class 2.0.
- When connecting the receiver to a computer or smartphone, check the port on the device and use an appropriate cable or conversion adaptor.
- Before connecting the receiver to the computer or smartphone, fully charge the receiver.
- Before connecting/disconnecting the receiver and the computer or smartphone, make sure that the receiver is turned off.
- If you connect the receiver to another device using a USB cable while the receiver is attached to the Multi Interface Shoe on a camera, the connection between the camera and receiver via the Multi Interface Shoe will be disconnected.
- Do not put the receiver connected to a smartphone via the USB adaptor in a pocket, such as a pants pocket. Applying strong external force may deform or damage the USB connectors.
- Do not place the receiver upright on a desk or other surface while it is connected to a smartphone via the USB adaptor. If the receiver falls over or is dropped, the receiver or smartphone may be damaged.

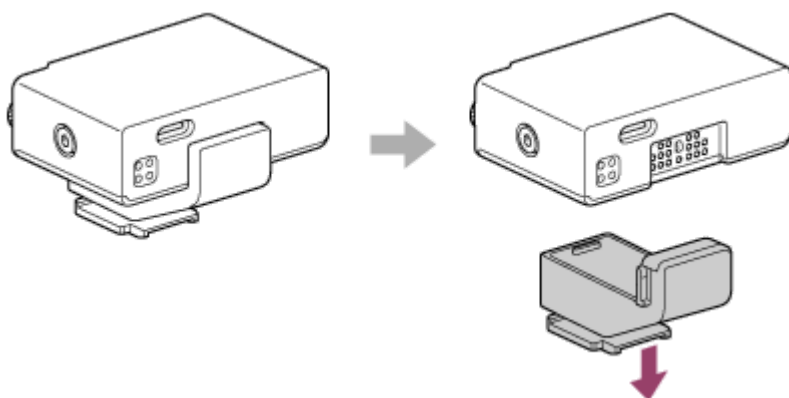
1 Connect the receiver and the computer or smartphone using a commercially available USB Type-C cable.



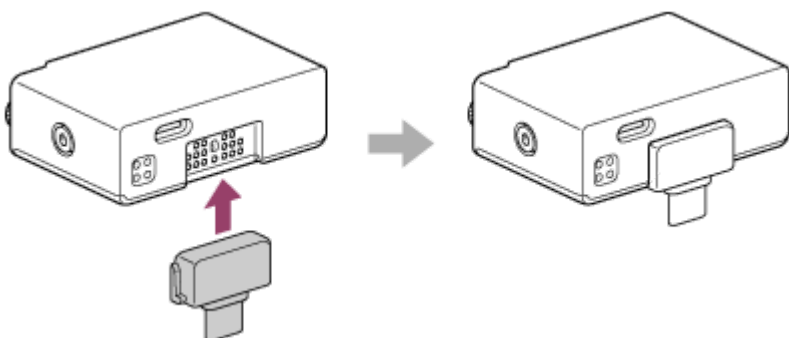
To connect the receiver using the USB adaptor

You can also connect the receiver to a computer or a smartphone using the supplied USB adaptor.

1. Remove the Multi Interface Shoe adaptor from the receiver.



2. Attach the USB adaptor to the contacts on the receiver.



Related Topic

- [Charging the built-in battery of the receiver/microphone with a USB Type-C cable](#)

TP1002542186

Attaching the microphone to clothing

Attach the microphone to your clothing.

- 1 **Attach the microphone to your desired location on the clothing, such as a breast pocket, using the clip.**

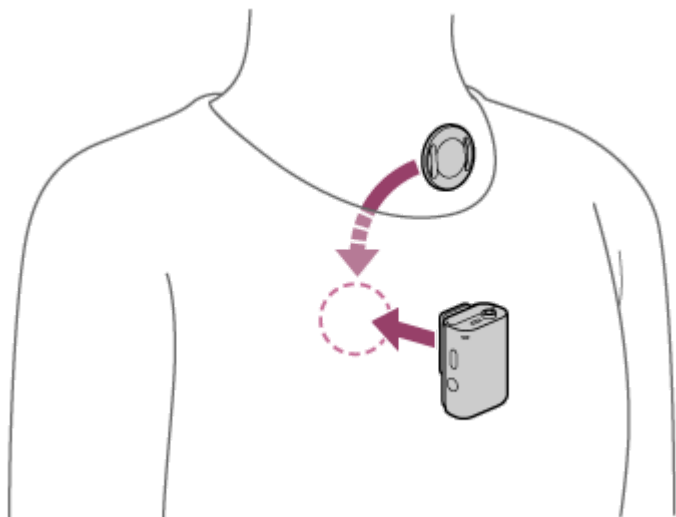
Attach the microphone in an optimal location depending on the usage conditions and the sound being recorded.

To attach the microphone using the magnet

You can also attach the microphone to your clothing using the supplied magnet.

Place the microphone clip on the outer surface of the clothing, then attach the magnet from the inner side of the clothing while aligning it with the clip.

You can use either surface of the magnet for attachment.



Note

- Before using the magnet, be sure to read "Notes on using the magnet" in "[Notes on use.](#)"

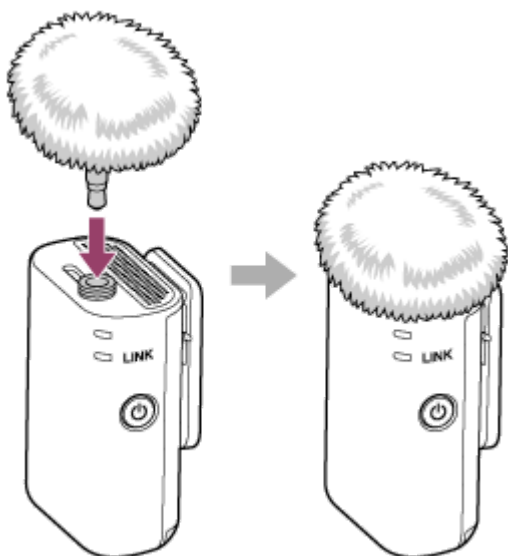
TP1002542187

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Attaching the wind screen

Attaching the wind screen to the microphone helps reduce noise caused by strong wind or breath directly hitting the microphone.

- 1 Fit the projection on the wind screen into the external microphone jack on the microphone.



Note

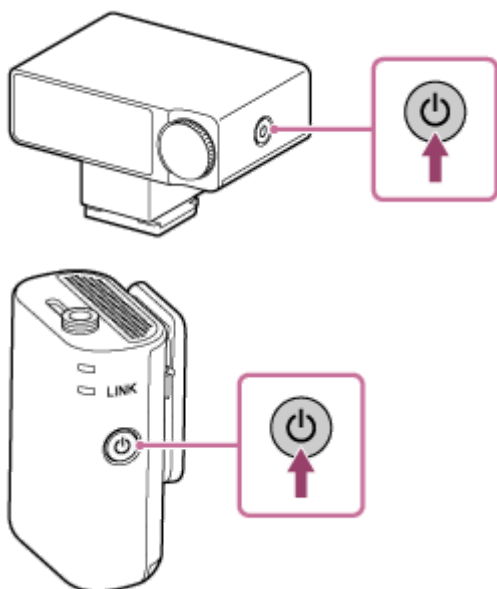
- If the wind screen gets wet, remove it from the microphone and allow it to air dry in the shade.
- When attaching or removing the wind screen, be sure to hold the frame.

TP1002542189

Turning on/off the receiver/microphone

- 1 Press and hold the ON/OFF (Power) button on the receiver/microphone for 2 seconds.

The receiver/microphone turns on.



To turn off the receiver/microphone

Press and hold the ON/OFF (Power) button on the receiver/microphone for 1 second.

Note

- If the receiver/microphone is not operated for 15 minutes, the auto power-off function is activated. To use it again, turn the receiver/microphone off and then turn it back on.
The auto power-off function is disabled in the following cases:
 - Audio is being recorded to the built-in memory of the microphone.
 - The receiver is connected to a camera or external device.

TP1002542190

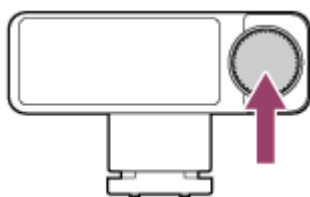
Operating the receiver

The following describes the basic operations of the receiver.

You can operate the screens displayed on the receiver using the control wheel/button and the ON/OFF (Power) button, or by touching the screen.

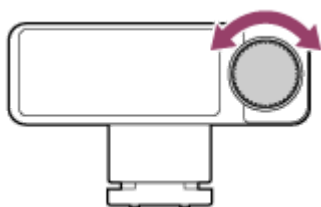
Control wheel/button

Press briefly/Press and hold



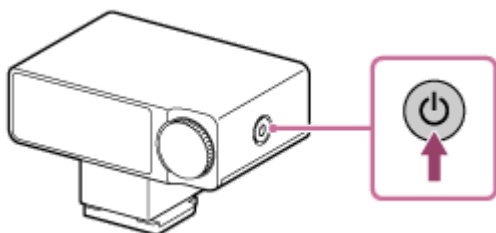
- When you briefly press the button on the microphone status screen or receiver status screen, a cursor (orange frame) appears on the screen.
- When an item or setting is selected, press the button to confirm.
- On the microphone status screen, press and hold the button for 1 second to lock the screen.

Turn left/Turn right



- Turn the wheel to move the cursor on the screen or switch screens.
- When selectable items are displayed vertically, turn the wheel to the right to select the item below, or to the left to select the item above.

ON/OFF (Power) button



- Briefly press the button to return to the previous screen.
- Press and hold the button for 1 second to turn off the receiver.
- Press and hold the button for 5 seconds to display the pairing screen.
For details, see [“PAIRING.”](#)

Touch screen operations

You can also operate the receiver by touching or swiping the screen.

- Tap
Tap an item or setting to select or confirm it.
- Swipe from right to left
Switches to the screen on the right.
- Swipe from left to right
Switches to the screen on the left.
- Swipe up or down
On the microphone status screen or the receiver status screen, swipe up from the bottom of the screen to display the control menu screen. In the control menu, swipe down from the top of the screen to return to the previous menu level. When selectable items are displayed vertically, swipe up or down to scroll through the items.

Related Topic

- [Turning on/off the receiver/microphone](#)
- [Microphone status screen](#)
- [Receiver status screen](#)
- [Control menu screen](#)
- [Preventing unintended operations](#)

TP1002542191

Screen transitions

This section shows the screen transitions on the receiver. The icons in the transition diagram indicate the following operations.

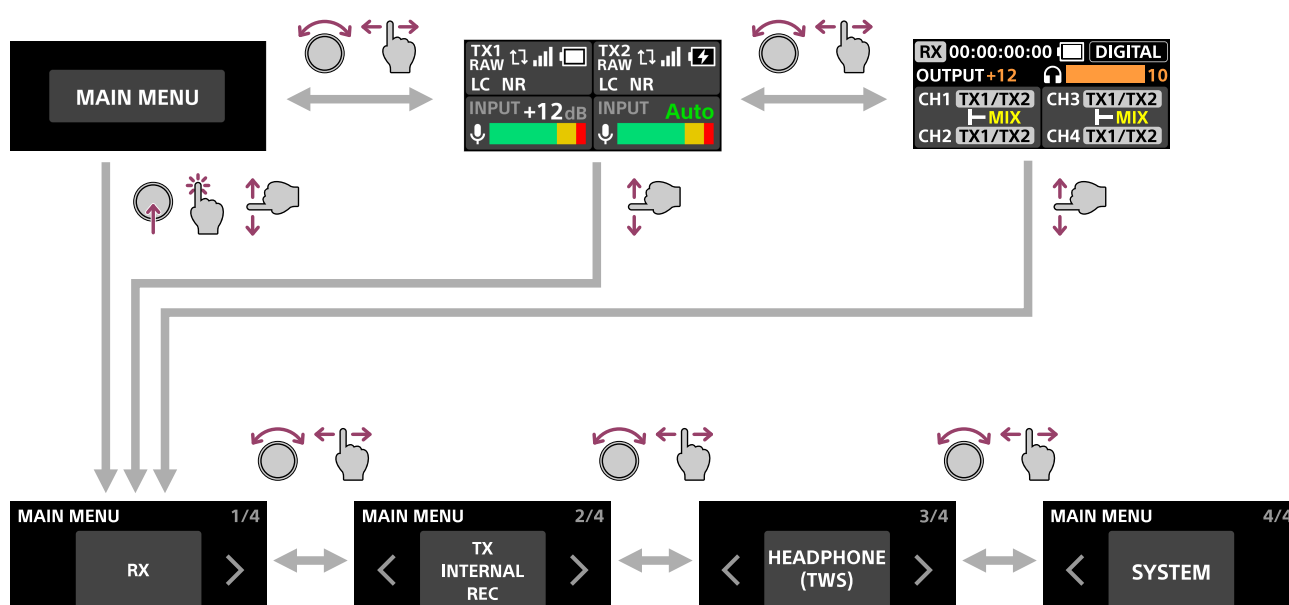
 (Turn) /  (Swipe): Turn the control wheel/button, or swipe the receiver screen left or right.

 (Press) /  (Tap): Briefly press the control wheel/button, or tap the receiver screen.

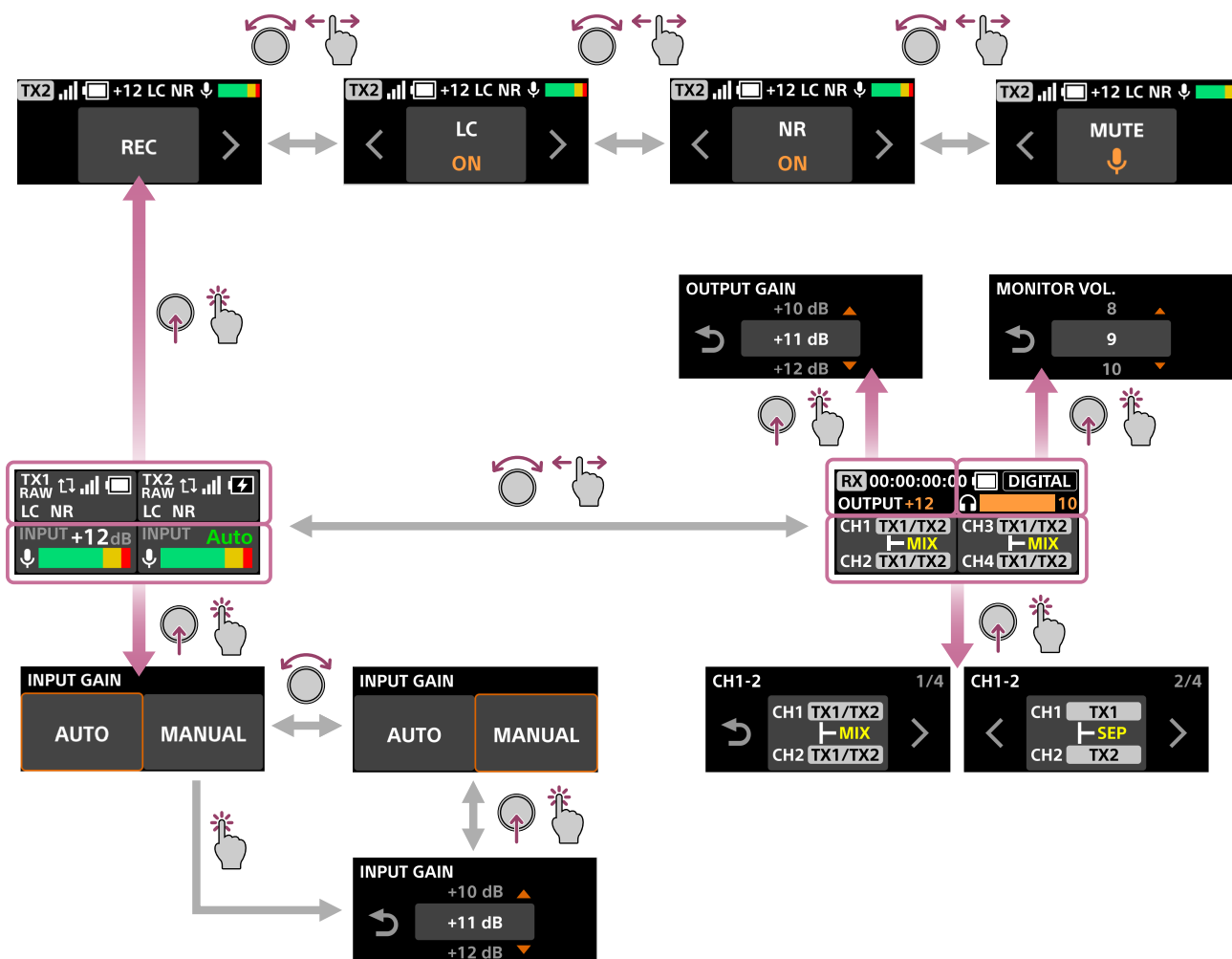
 (Swipe up or down): Swipe the receiver screen up or down.

For details on operating the receiver and each screen, see the individual topics under “Basic operations of the receiver.”

Transitions to the control menu screen



Other screen transitions



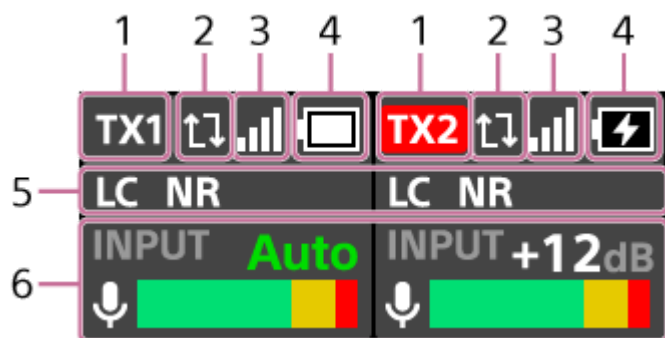
TP1002549464

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Microphone status screen

Turning on the receiver displays the microphone status screen.

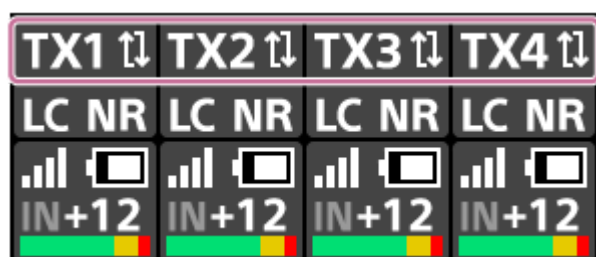
The microphone status screen allows you to check the settings and status of the microphone connected to the receiver.



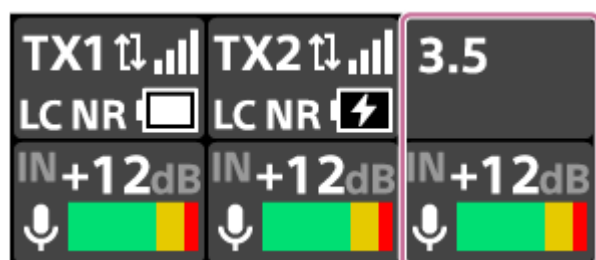
1. Connected microphones

When two microphones are connected, [TX1] and [TX2] are displayed. When four microphones are connected, [TX1], [TX2], [TX3], and [TX4] are displayed.

The microphone currently recording to its built-in memory is displayed in red. When [RAW] is set for [REC LC/NR FILTER] in the microphone's built-in REC menu, [RAW] is displayed below the name of the microphone to which the setting is applied.



When two microphones are connected, connecting an external microphone (not supplied) or a camera to the audio input jack on the receiver displays [3.5] as the external input.



2. OVERWRITE REC setting

When [OVERWRITE REC] is set to on, the arrows are displayed.

For details, see "[OVERWRITE REC](#)."

3. Communication strength between the microphone and the receiver

4. Microphone battery level

5. LC filter/NR (Low Cut/Noise Reduction) settings

6. Input gain level meter

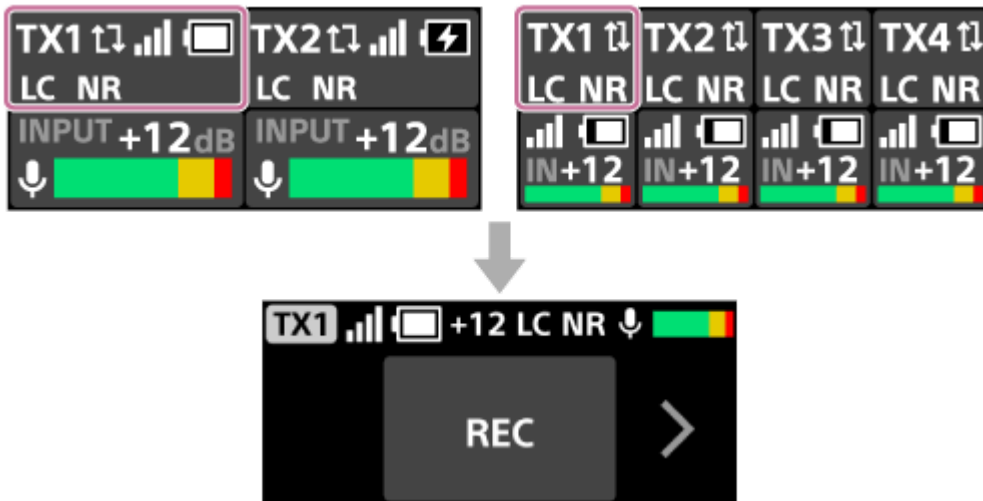
Selecting this item with the control wheel/button, or tapping it displays the input gain setting screen, where you can change the input gain.

Note

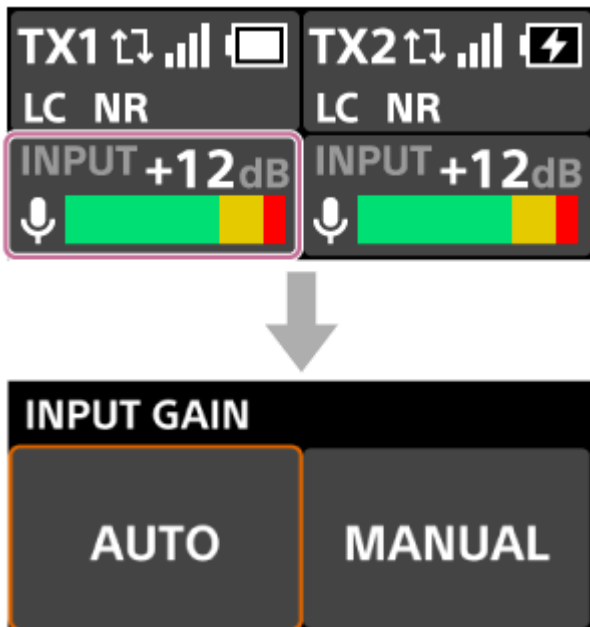
- When the sampling frequency and quantization bit depth on the camera are set to “24 bit/96 kHz,” [3.5] is not displayed even if an external microphone or camera is connected to the audio input jack on the receiver.

To change the microphone/external microphone settings

- Selecting the name of a connected microphone or an external microphone with the control wheel/button, or tapping the name, displays the input microphone setting screen for the selected microphone.
For details, see “[Input microphone setting screen.](#)”



- Selecting the input gain/level meter with the control wheel/button, or tapping it, displays the input gain setting screen.



You can select [AUTO] or [MANUAL] for the input gain setting.
When set to [AUTO], the input gain is adjusted automatically.
When set to [MANUAL], you can adjust the input gain value manually.

Related Topic

- [Receiver status screen](#)
- [Recording audio on a camera using two microphones](#)

- Recording audio on a camera using four microphones
- REC LC/NR FILTER

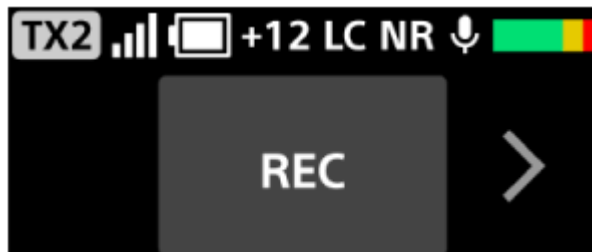
TP1002542192

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Input microphone setting screen

Selecting a connected microphone on the microphone status screen displays the input microphone setting screen. You can perform the following operation and make the following settings for the selected microphone.

- REC



Select this item to start recording to the microphone's built-in memory. This item is displayed when a microphone connected to the receiver in [2TX] or [4TX] mode is selected.

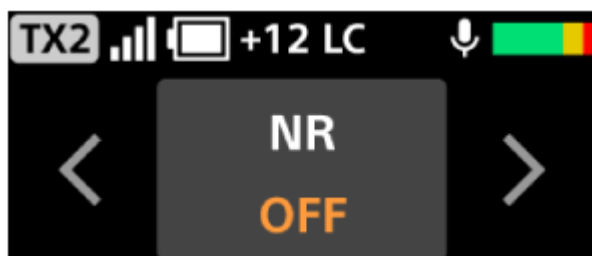
- LC



Select this item to turn the LC (Low Cut) filter for the microphone on or off. This item is displayed when a microphone connected to the receiver in [2TX] or [4TX] mode is selected.

When set to [ON], the LC filter reduces unwanted noise, such as wind noise, air conditioning noise, and vibration noise.

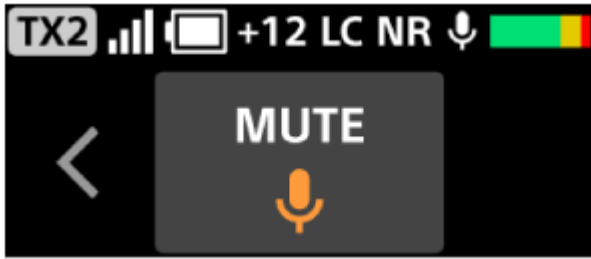
- NR



Select this item to turn NR (Noise Reduction) for the microphone on or off. This item is displayed when a microphone connected to the receiver in [2TX] or [4TX] mode is selected.

When set to [ON], NR effectively removes unpleasant noise using digital signal processing. Set it to [OFF] if the sound quality seems unnatural.

- MUTE



Select this item to set mute to on or off.

Note

- When the sampling frequency and quantization bit depth on the camera are set to “24 bit/96 kHz,” NR is disabled even when it is set to on.

Related Topic

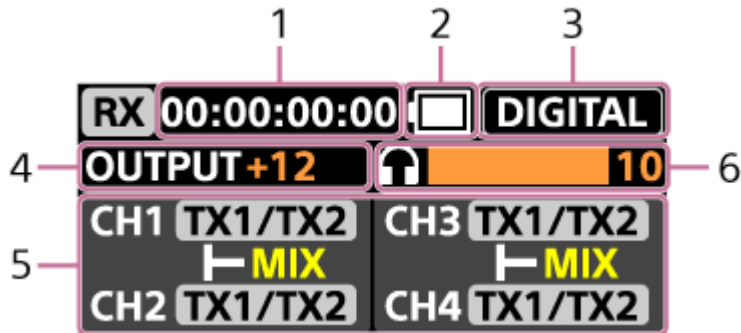
- [Microphone status screen](#)
- [Recording audio to the built-in memory of the microphone](#)

TP1002542240

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Receiver status screen

Turning the control wheel/button to the right on the microphone status screen displays the receiver status screen, where you can check the receiver settings.



1. Timecode

Displayed when using the timecode function.

2. Receiver battery level

3. DIGITAL/ANALOG indication

4. Output gain

5. Channel settings

Selecting the channel item with the control wheel/button, or tapping it, displays the output settings screen for the selected channels.

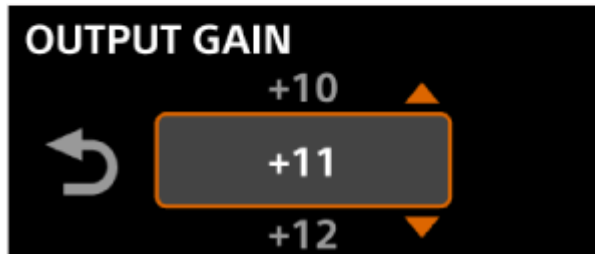
For details, see "[About channel settings.](#)"

6. Headphone monitor volume

Displays the volume level of the audio monitored through headphones. It appears when [2TX] mode is set and audio is monitored using LE Audio compatible headphones.

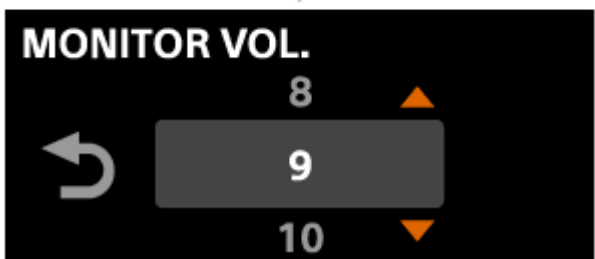
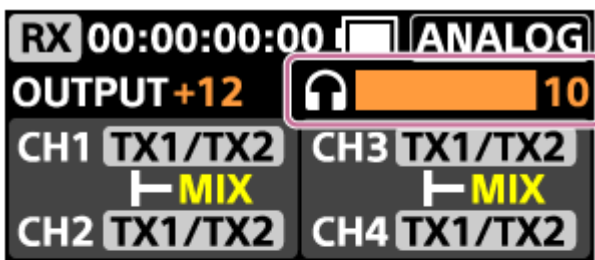
To change the output gain, the headphone monitor volume, and the channel settings

- Selecting the output gain with the control wheel/button, or tapping it, displays the output gain setting screen.



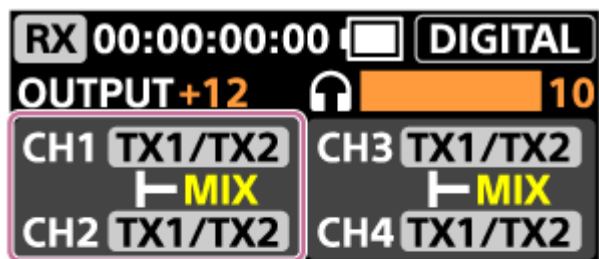
If you do not change the value, tap ↶ (Back) to return to the receiver status screen.

- Selecting the headphone monitor volume with the control wheel/button, or tapping it, displays the headphone monitor volume setting screen.



If you do not change the value, tap ↶ (Back) to return to the receiver status screen.

- Selecting the channel settings with the control wheel/button, or tapping it, displays the output settings screen for the selected channels.
For details, see [“About channel settings.”](#)



Related Topic

- [Microphone status screen](#)
- [Monitoring audio using headphones](#)

TP1002542241

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

System status screen

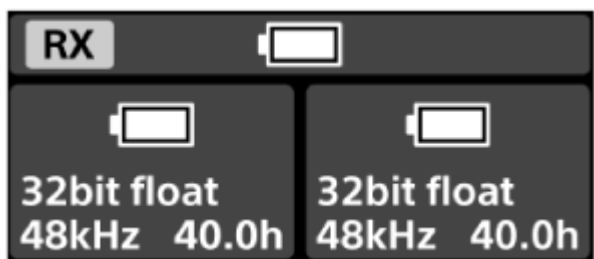
Placing the receiver in the charging case displays the system status screen, where you can check the receiver's remaining battery level.

 (Charging) is displayed during charging.

The system status screen is also displayed when charging the receiver by connecting a USB Type-C cable to the USB Type-C terminal on the receiver. The display turns off 1 minute after charging is complete.



When both the receiver and microphone are placed in the charging case, the microphone's remaining battery level, recording format, and available recording time are also displayed.



Related Topic

- [Charging the built-in batteries with the charging case](#)
- [Charging the built-in battery of the receiver/microphone with a USB Type-C cable](#)

TP1002542242

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Control menu screen

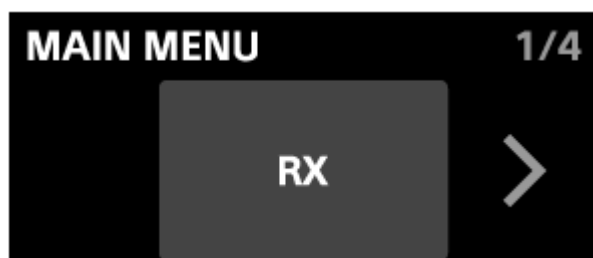
Swiping up from the bottom of the microphone status screen or receiver status screen displays the control menu screen. The control menu screen allows you to change the settings of the receiver and devices connected to the receiver. This screen can also be displayed from the [MAIN MENU] screen. Turn the control wheel/button to the left on the microphone status screen to display the [MAIN MENU] screen, and then press the control wheel/button.

The following four menus are collectively referred to as [MAIN MENU].

- Receiver menu
- Built-in REC menu on the microphone
- Headphone menu
- System menu

Receiver menu (RX)

Displays the receiver settings.

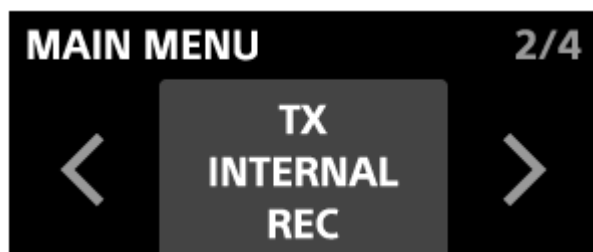


- [TIMECODE ON/OFF](#)
- [TIMECODE SET.](#)
- [PAIRING](#)
- [POWER LINK](#)
- [MISHOE SET.](#)

Built-in REC menu on the microphone (TX INTERNAL REC)

Displays the settings for the microphone connected to the receiver.

This menu is displayed when [MODE SELECT] in the system menu is set to [2TX] or [4TX].

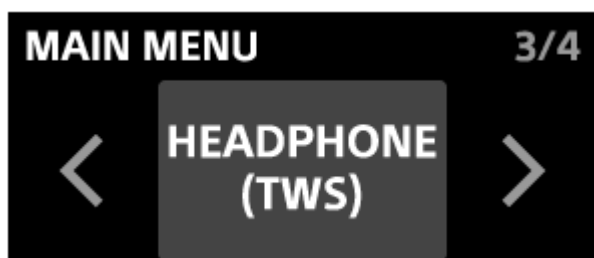


- [AUTO REC](#)
- [TX LINK](#)
- [REC AUDIO SET.](#)
- [REC LC/NR FILTER](#)
- [OVERWRITE REC](#)
- [STORAGE \(DELETE\)](#)

Headphone menu (HEADPHONE (TWS))

Displays the settings for the headphones connected to the receiver.

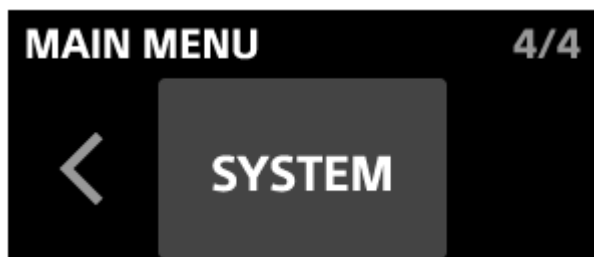
This menu is displayed when [MODE SELECT] in the system menu is set to [2TX] or [TWS MIC]. The available menus vary depending on the settings.



- [MONITOR SET.](#)
- [BINAURAL](#)
- [MIRROR](#)

System menu (SYSTEM)

Displays the system settings for the receiver.



- [MODE SELECT](#)
- [BRIGHTNESS](#)
- [DATE/TIME](#)
- [INITIALIZE](#)
- [TX IDENTIFY](#)
- [TX LAMP](#)
- [VERSION](#)

Related Topic

- [Microphone status screen](#)
- [Receiver status screen](#)

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Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Preventing unintended operations

Locking the screen helps prevent accidental operation of the receiver, for example, while carrying it.

- 1 **Display the microphone status screen, and then press and hold the control wheel/button on the receiver for 1 second.**

“LOCKED” appears on the receiver screen, and the receiver cannot be turned on or off, and operations on the input microphone setting screen and control menu screen are disabled.



To unlock the screen, display the microphone status screen or the receiver status screen, and then press and hold the control wheel/button for 1 second.

Hint

- Even when the screen is locked, you can switch between the microphone status screen and receiver status screen.

Related Topic

- [Microphone status screen](#)
- [Input microphone setting screen](#)
- [Receiver status screen](#)
- [Control menu screen](#)

TP1002542194

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Connecting the microphone to the receiver

Pair the microphone and the receiver to connect them.

When using ECM-W5, this operation is not required because the two supplied microphones are already paired with the receiver. When adding and using a microphone, follow the steps below to pair it with the receiver.

1 Press and hold the ON/OFF (Power) button on the microphone for 5 seconds.

The LINK lamp on the microphone flashes quickly in blue, and the microphone enters pairing mode.

2 Operate the receiver to display the control menu screen, and then select [RX] - [PAIRING].

The [PAIRING] screen is displayed.

You can also display the [PAIRING] screen by pressing and holding the ON/OFF (Power) button on the receiver for 5 seconds.

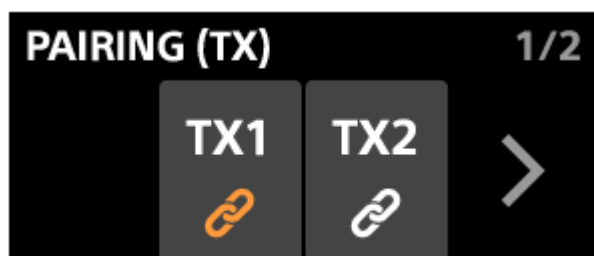
3 Select [TX] on the [PAIRING] screen of the receiver.

The [PAIRING (TX)] screen is displayed.

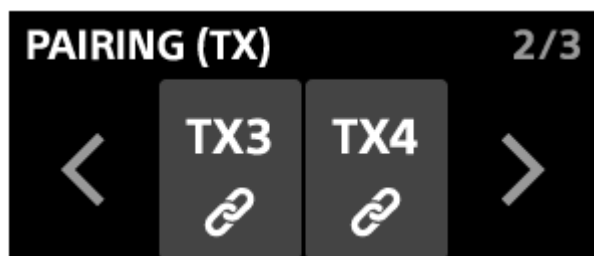
4 Select a microphone to pair.

A message indicating that the microphone is being detected is displayed.

Once pairing and connection are complete,  (Pairing) below the microphone name is displayed in orange.



To additionally pair the third and fourth microphones with the receiver, select [TX3] for the third microphone and [TX4] for the fourth microphone.



Hint

- Select a microphone that has been paired in step 4 and select [DELETE] to delete the pairing information for the selected microphone.
To delete the pairing information for all microphones paired with the receiver, select [ALL DELETE] on the [PAIRING (TX)] screen.

- You may hear a brief noise when the microphone and receiver are connected, but this is not a malfunction. It is recommended that you connect the microphone and receiver in advance before starting recording.

Related Topic

- [Control menu screen](#)
- [Lamp indications](#)
- [PAIRING](#)

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Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Connecting headphones to the receiver

Pair the receiver and wireless headphones to connect them.

1 Operate the receiver to display the control menu screen, and then select [RX] - [PAIRING].

The [PAIRING] screen is displayed.

You can also display the [PAIRING] screen by pressing and holding the ON/OFF (Power) button on the receiver for 5 seconds.

2 Set your headphones to pairing mode.

For details, refer to the operating instructions supplied with your headphones.

3 Select [TWS] on the [PAIRING] screen of the receiver.

The [PAIRING (TWS)] screen is displayed.

4 Select [START TWS SCAN].

A message indicating that the headphones are being detected is displayed.

5 Select the headphones to pair from the displayed list of headphones.

Once pairing and connection are complete, the name of your headphones and [Classic Audio] or [LE Audio] are displayed on the [PAIRING (TWS)] screen.

- Classic Audio

The headphones are either Classic Audio-only headphones or connected in Classic Audio mode. You can use the recording function (monaural) using the headphone microphone, but the monitoring function and binaural recording function are not available.

When using LE Audio-compatible headphones manufactured by Sony, it is recommended that you use the "Sony | Sound Connect" smartphone app to switch to LE Audio priority mode.

For details about the "Sony | Sound Connect" app, visit the website at:

<https://www.sony.co.jp/en/sca/>

- LE Audio

The headphones are connected in LE Audio mode. The recording function using the headphone microphone and the monitoring function are available. In addition, when using headphones that support binaural recording, the binaural recording function is also available.

For details on compatibility between this unit and headphones, visit the website at:

<https://www.sony.net/di/TWS/>

Note

- When switching from Classic Audio mode to LE Audio priority mode using the "Sony | Sound Connect" app, delete the headphone pairing information once and then pair the headphones again.
Once pairing and connection are complete again, the headphone name and [LE Audio] are displayed.

Hint

- Select headphones that have been paired in step 5 and select [DELETE] to delete the pairing information for the selected headphones.

Related Topic

- [Control menu screen](#)
- [PAIRING](#)

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Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Connecting the microphone to a smartphone/computer

Pair the microphone and your smartphone or computer to connect them.

1 Turn on the Bluetooth function on your smartphone or computer and set the device to pairing mode.

2 Press the ON/OFF (Power) button on the microphone twice quickly.

The LINK lamp on the microphone flashes quickly in yellow and the microphone automatically enters pairing mode.
If the microphone and receiver are connected, the connection is disconnected.

3 Select the microphone from the list of available Bluetooth devices on your smartphone or computer.

Once pairing and connection are complete, the LINK lamp on the microphone lights up in yellow.

Related Topic

- [Lamp indications](#)

TP1002542197

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Recording audio on a camera using two microphones

You can record audio on a camera using the two microphones connected to the receiver.

- 1 **Select [SYSTEM] - [MODE SELECT] from the receiver's control menu screen, and set the mode to [2TX].**

For details, see "[MODE SELECT](#)."

- 2 **Connect two microphones to the receiver.**

For details, see "[Connecting the microphone to the receiver](#)."

When using ECM-W5, this operation is not required because the two supplied microphones are already paired with the receiver.

- 3 **Check the audio output format (a) on the receiver status screen when the receiver is attached to the Multi Interface Shoe on the camera.**

If your camera is compatible with the digital audio interface of the Multi Interface Shoe, select [DIGITAL]. If not, select [ANALOG].



For details about changing the setting, see "[MISHOE SET..](#)"

- 4 **Change the channel and microphone settings as needed.**

You can change these settings from the receiver's control menu screen or input microphone setting screen.

- 5 **Start recording on the camera connected to the receiver.**

For information on the camera settings, also refer to "[Setting the sampling frequency and quantization bit depth on the camera](#)."

Note

- If you record in a quiet environment with the microphone input gain lowered while the receiver is connected to a camera that supports the digital audio interface of the Multi Interface Shoe, noise may become noticeable when the volume is increased to a high level during editing or playback of the recorded audio, depending on the camera or camera settings. In this case, it is recommended that you increase the microphone input gain or set the bit depth on the camera to 24 bit or higher before recording.

Related Topic

- [Receiver status screen](#)
- [Control menu screen](#)
- [About channel settings](#)
- [Input microphone setting screen](#)

TP1002542198

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Recording audio on a camera using four microphones

You can record audio on a camera using the four microphones connected to the receiver.

- 1 **Select [SYSTEM] - [MODE SELECT] from the receiver's control menu screen, and set the mode to [4TX].**

For details, see "[MODE SELECT.](#)"

- 2 **Connect four microphones with the receiver.**

For details, see "[Connecting the microphone to the receiver.](#)"

- 3 **Check the audio output format (a) on the receiver status screen when the receiver is attached to the Multi Interface Shoe on the camera.**

If your camera is compatible with the digital audio interface of the Multi Interface Shoe, select [DIGITAL]. If not, select [ANALOG].



For details about changing the setting, see "[MISHOE SET..](#)"

- 4 **Change the channel and microphone settings as needed.**

You can change these settings from the receiver's control menu screen or input microphone setting screen.

- 5 **Start recording on the camera connected to the receiver.**

For information on the camera settings, also refer to "[Setting the sampling frequency and quantization bit depth on the camera.](#)"

Note

- If you record in a quiet environment with the microphone input gain lowered while the receiver is connected to a camera that supports the digital audio interface of the Multi Interface Shoe, noise may become noticeable when the volume is increased to a high level during editing or playback of the recorded audio, depending on the camera or camera settings. In this case, it is recommended that you increase the microphone input gain or set the bit depth on the camera to 24 bit or higher before recording.

- Receiver status screen
- Control menu screen
- About channel settings
- Input microphone setting screen

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Recording audio on a camera using headphones as the microphone

You can record audio on a camera using wireless headphones connected to the receiver as the microphone.

- 1 Select [SYSTEM] - [MODE SELECT] from the receiver's control menu screen, and set the mode to [TWS MIC].**

For details, see "[MODE SELECT](#)."

- 2 Connect headphones to the receiver.**

For details, see "[Connecting headphones to the receiver](#)."

- 3 Change the headphone settings as needed.**

You can change the settings from the receiver's control menu screen or input microphone setting screen.

When using headphones equipped with a monaural microphone, the same headphone microphone audio is output to both CH1 and CH2.

When using headphones equipped with a stereo microphone, stereo audio from the headphones can be separated and output to CH1 and CH2.

- 4 Start recording on the camera connected to the receiver.**

For information on the camera settings, also refer to "[Setting the sampling frequency and quantization bit depth on the camera](#)."

Related Topic

- [Control menu screen](#)
- [About channel settings](#)
- [Input microphone setting screen](#)

TP1002542200

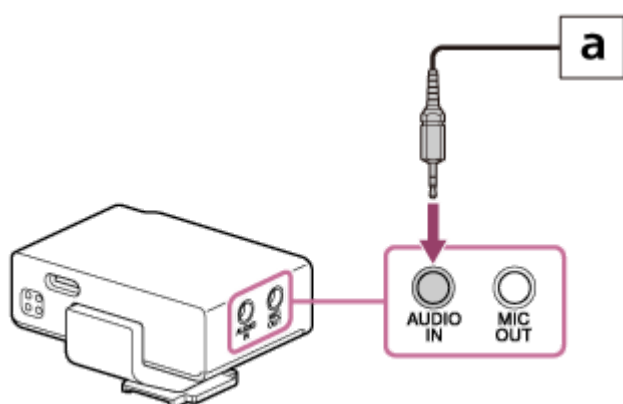
Recording audio on a camera using the external microphone connected to the receiver

You can record audio on a camera using an external microphone (not supplied) connected to the receiver.
The following operations are available while the receiver is in [2TX] mode.

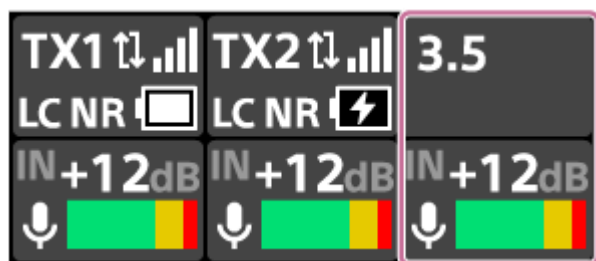
- 1 Select [SYSTEM] - [MODE SELECT] from the receiver's control menu screen, and set the mode to [2TX].

For details, see "[MODE SELECT](#)."

- 2 Connect an external microphone (a) to the audio input jack on the receiver.



When the external microphone is connected, information about the connected microphone is displayed on the microphone status screen.



- 3 Change the channel setting.

Selecting the channel item displays the output settings screen for the selected channels. Set [3.5] for the channel to which you want to output the external microphone audio.

For details, see "[About channel settings](#)."

- 4 Change the external microphone settings as needed.

You can change the settings from the input microphone setting screen.

- 5 Start recording on the camera connected to the receiver.

For information on the camera settings, also refer to "[Setting the sampling frequency and quantization bit depth on the camera](#)."

Related Topic

- [Microphone status screen](#)
- [Receiver status screen](#)
- [Control menu screen](#)
- [Input microphone setting screen](#)

TP1002542201

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Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Recording audio on a camera using the external microphone connected to the microphone

You can record audio on a camera using the external microphone (not supplied) connected to the microphone. The recorded audio is monaural.

Note

- If the wind screen is attached to the microphone, remove it.

- 1 Make sure that the microphone is turned off, and then connect an external microphone (a) to the external microphone jack on the microphone.**

Audio input from the external microphone is recorded on the camera.



When using an external microphone with a locking plug, insert the plug into the external microphone input jack, and then turn the locking ring clockwise to secure it.

Note

- When a stereo-compatible external microphone is connected, audio input to the left and right channels is mixed and recorded in monaural.
- The external microphone jack on the microphone supports external microphones with plug-in power.

TP1002542202

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Setting the sampling frequency and quantization bit depth on the camera

After attaching the receiver to the camera, you can record audio using recording formats such as “32 bit float/48 kHz” and “24 bit/96 kHz” by setting the sampling frequency and quantization bit depth on the camera.

For details on these settings, refer to the operating instructions supplied with your camera.

Note

- 24 bit/96 kHz recording can be set on the camera only when [2TX] is selected for [MODE SELECT] on the receiver. It cannot be set when [4TX] or [TWS MIC] is selected.
- The receiver does not support monitoring audio through connected headphones when the sampling frequency is set to 96 kHz. Therefore, audio cannot be monitored through headphones when [2TX] is selected for [MODE SELECT] on the receiver and the camera is set to “24 bit/96 kHz.” Even if you change [MISHOE SET.] from [DIGITAL] to [ANALOG] in the receiver menu, audio monitoring remains unavailable. In this case, restart the receiver.
When monitoring audio from a video file recorded with the camera set to “24 bit/96 kHz,” noise may occur in the audio. This is a specification of this unit and is not a malfunction. To monitor audio from video files recorded with the camera set to “24 bit/96 kHz,” use wired headphones connected to the headphone output jack on the camera.
- When the timecode function is enabled, [AUDIO OUT] is selected for [OUTPUT MODE], and the camera is set to “24 bit/96 kHz,” the only available output setting for channels other than the one to which the timecode signal is sent is [MIX] for [TX1/TX2].

Related Topic

- [MODE SELECT](#)
- [MISHOE SET.](#)
- [Monitoring audio using headphones](#)
- [MONITOR SET.](#)
- [TIMECODE SET.](#)

TP1002542239

Monitoring audio using headphones

When [MODE SELECT] on the receiver is set to [2TX] and you are recording audio on the camera, you can monitor either the audio input to the microphones or the audio input to the camera through headphones. To monitor audio input to the camera, you need to connect the audio input jack on the receiver to the headphone output jack on the camera.

1 Connect headphones to the receiver.

For details, see “[Connecting headphones to the receiver.](#)”

2 Configure the headphone settings.

Select [HEADPHONE (TWS)] from the receiver's control menu screen to configure the settings.

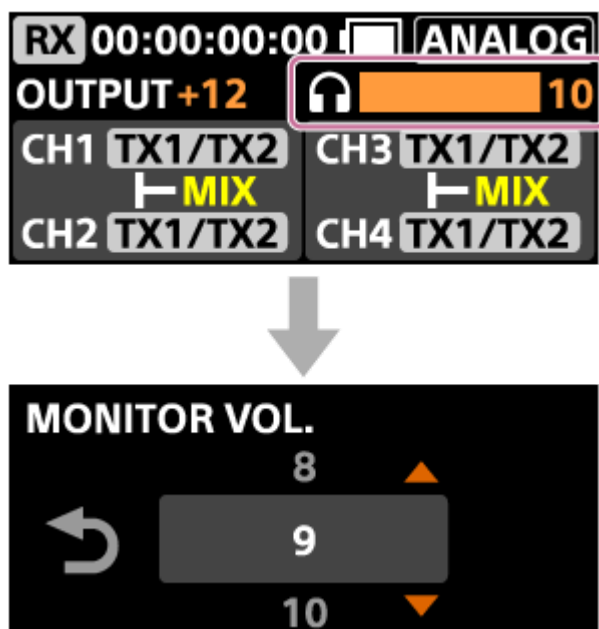
To monitor audio from the microphones, select [CH1 / CH2]. To monitor audio from the camera, select [CAM HP].

For details about the settings, see “[MONITOR SET..](#)”

3 Adjust the headphone monitor volume.

- Display the receiver status screen on the receiver.
- Press the control wheel/button to display the cursor on the screen.
- Select and confirm the headphone volume display, then adjust the monitor volume on the [MONITOR VOL.] screen.

To display the [MONITOR VOL.] screen by a touch operation, tap the right half of the screen.



Turn the control wheel/button or swipe up or down on the screen to select the monitor volume value. After selecting the value, press the control wheel/button or tap to confirm.

If you do not change the value, tap (Back) to return to the receiver status screen.

- The receiver does not support monitoring audio through connected headphones when the sampling frequency is set to 96 kHz. Therefore, audio cannot be monitored through headphones when [2TX] is selected for [MODE SELECT] on the receiver and the camera is set to "24 bit/96 kHz." Even if you change [MISHOE SET.] from [DIGITAL] to [ANALOG] in the receiver menu, audio monitoring remains unavailable. In this case, restart the receiver.
When monitoring audio from a video file recorded with the camera set to "24 bit/96 kHz," noise may occur in the audio. This is a specification of this unit and is not a malfunction. To monitor audio from video files recorded with the camera set to "24 bit/96 kHz," use wired headphones connected to the headphone output jack on the camera.
- If the monitor volume is still low even when the headphone monitor volume is set to the maximum level, the volume on the headphones may be set too low. In this case, increase the volume on the headphones. For details on how to increase the volume, refer to the operating instructions supplied with the headphones.

Related Topic

- [Receiver status screen](#)
- [Control menu screen](#)
- [MODE SELECT](#)
- [MISHOE SET.](#)

TP1002542203

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Using the timecode function

When the timecode function is enabled, the timecode signal is sent to devices such as cameras connected to the receiver. By recording audio or video with a device that receives the timecode signal, timecode information is recorded. When editing recorded audio or video data, you can accurately synchronize the timing of video and audio by checking the timecode information.

1 Select [RX] from the receiver's control menu screen.

2 Select [ON] for [TIMECODE ON/OFF].

The timecode function is enabled.

3 Configure the following settings in [TIMECODE SET.] according to the settings and intended use of the devices used to synchronize the timecode.

- Frame rate
- Timecode display format
- Timecode output mode

For details about the settings, see "[TIMECODE SET.](#)"

For details about the settings on the connected camera, refer to the operating instructions supplied with the camera.

Related Topic

- [Attaching the receiver to a camera](#)
- [Control menu screen](#)

TP1002542204

Recording audio to the built-in memory of the microphone

You can record audio to the microphone's built-in memory by pressing the REC (Recording) button on the microphone or selecting [REC] on the receiver's input microphone setting screen.

When the microphone's built-in memory becomes full during recording, you can choose whether to overwrite the existing data in the built-in memory or stop recording. For details, see "[OVERWRITE REC.](#)"

To check recorded audio data using a computer

You can check recorded audio data stored in the microphone's built-in memory using a computer, or copy the data to a computer to back up the data.

1. Connect the microphone to a computer using a commercially available USB Type-C cable.
You can also connect the microphone to a computer by placing it in the charging case and connecting the USB Type-C terminal on the charging case to the computer.
2. Open the microphone's storage in File Explorer (Windows) or Finder (Mac).
The recorded audio files are saved in folders created by date.

Note

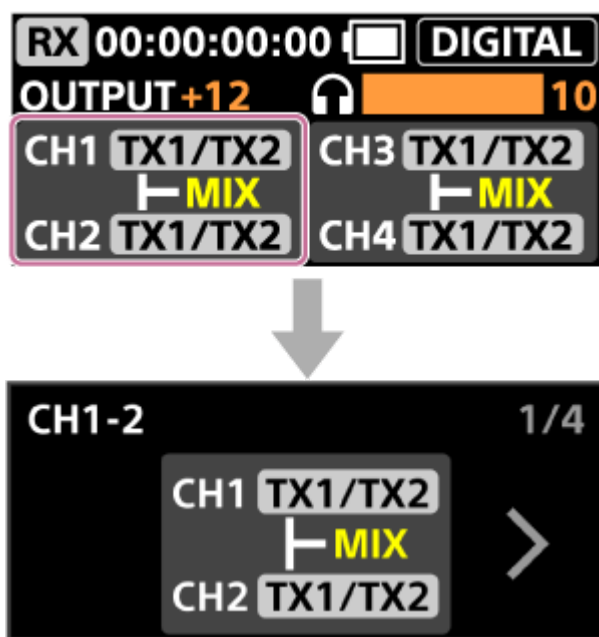
- While the microphone is connected to the computer, the connection between the microphone and the receiver is disconnected and no audio is recorded.
- Do not turn off the microphone or disconnect the USB Type-C cable while copying files from the microphone to a computer. The files may become corrupted.

TP1002542214

About channel settings

On the receiver status screen, select the channel item using the control wheel/button or by tapping it to display the output settings screen for the selected channels.

Configure the output settings on the receiver before starting recording on the camera.

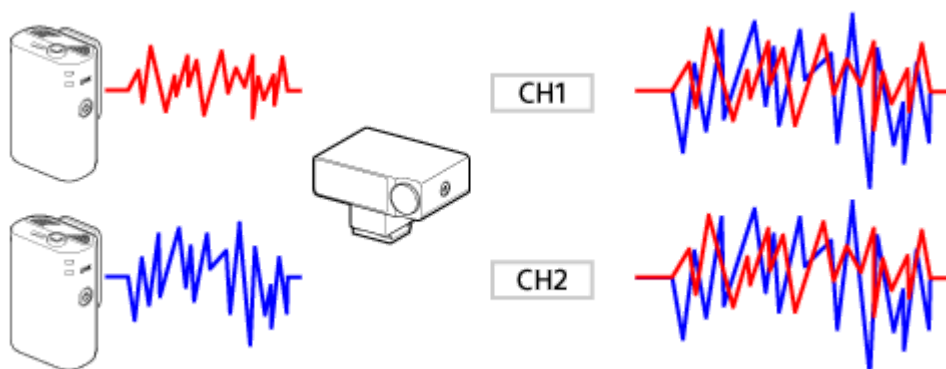


About the MIX/SEP setting

You can set whether to mix the audio signals from multiple microphones into one signal and output it to both channels or output each audio signal to a separate channel.

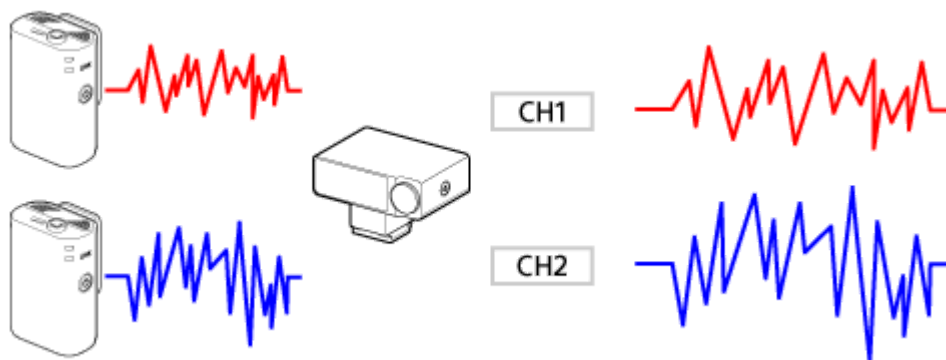
- **MIX**

Outputs the audio signals from multiple microphones as a single mixed signal.



- **SEP**

Outputs the audio signals from each microphone to a separate channel.



Output destination settings

You can output audio signals from multiple microphones to the specified channels.

When using two microphones

Select CH1-2 or CH3-4 as the output destination for audio input from two microphones (TX1 and TX2).

The following example shows how to output audio from two microphones to CH1-2. You can also output audio from the microphones to CH3-4.

Output destination	MIX/SEP setting	CH1 audio	CH2 audio	CH3 audio	CH4 audio
CH1-2	TX1/TX2: MIX	TX1 + TX2	TX1 + TX2	—	—
CH1-2	TX1/TX2: SEP	TX1	TX2	—	—

When using two microphones and an external microphone connected to the receiver

Select CH1-2 or CH3-4 as the output destination for audio input from two microphones (TX1 and TX2) and the external microphone.

The following example shows how to output audio from two microphones to CH1-2 and audio from the external microphone to CH3-4. The external microphone is displayed as [3.5]. You can also output audio from the microphones to CH3-4 and audio from the external microphone to CH1-2.

Output destination	MIX/SEP setting	CH1 audio	CH2 audio	CH3 audio	CH4 audio
CH1-2	TX1/TX2: MIX	TX1 + TX2	TX1 + TX2	—	—
CH1-2	TX1/TX2: SEP	TX1	TX2	—	—
CH3-4	3.5: MIX	—	—	3.5 MIC (Stereo)	3.5 MIC (Stereo)
CH3-4	3.5: SEP	—	—	3.5 MIC (Stereo), Left channel	3.5 MIC (Stereo), Right channel

When using four microphones

Select CH1-2 or CH3-4 as the output destination for audio input from four microphones (TX1, TX2, TX3, and TX4).

The following example shows how to output audio from microphones TX1 and TX2 to CH1-2 and audio from microphones TX3 and TX4 to CH3-4. You can also output audio from microphones TX1 and TX2 to CH3-4 and audio from microphones TX3 and TX4 to CH1-2.

Output destination	MIX/SEP setting	CH1 audio	CH2 audio	CH3 audio	CH4 audio
CH1-2	TX1/TX2: MIX	TX1 + TX2	TX1 + TX2	—	—

Output destination	MIX/SEP setting	CH1 audio	CH2 audio	CH3 audio	CH4 audio
CH1-2	TX1/TX2: SEP	TX1	TX2	—	—
CH3-4	TX3/TX4: MIX	—	—	TX3 + TX4	TX3 + TX4
CH3-4	TX3/TX4: SEP	—	—	TX3	TX4

You can also mix audio from all four microphones and output it to each channel. In this case, change the MIX/SEP setting and make sure that [TX1-4] is displayed.

Output destination	MIX/SEP setting	CH1 audio	CH2 audio	CH3 audio	CH4 audio
CH1-2	TX1-4: MIX	TX1 + TX2 + TX3 + TX4	TX1 + TX2 + TX3 + TX4	—	—
CH3-4	TX1-4: MIX	—	—	TX1 + TX2 + TX3 + TX4	TX1 + TX2 + TX3 + TX4

Note

- If you change the [MODE SELECT] setting after configuring the channels, the channel settings are reset to the default settings. Configure the channels again after changing the [MODE SELECT] setting.

Related Topic

- [Receiver status screen](#)
- [Recording audio on a camera using two microphones](#)
- [Recording audio on a camera using four microphones](#)
- [Recording audio on a camera using the external microphone connected to the receiver](#)

TP1002542215

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

TIMECODE ON/OFF

This section describes [TIMECODE ON/OFF] in the receiver menu.



In [TIMECODE ON/OFF], you can enable the timecode function by setting it to [ON].

When [OUTPUT MODE] is set to [AUDIO OUT] for [TIMECODE SET.] in the receiver menu, the timecode signal is output to CH2 or CH4. Depending on the output destination setting, [TC] is displayed for [CH2] or [CH4] on the receiver status screen.

To output the timecode signal to CH4, connect the receiver to a camera that supports a digital audio interface and configure the camera for 4-channel audio recording. For details about the camera settings, refer to the operating instructions supplied with the camera.

When monitoring audio from CH1 and CH2 using headphones connected to the receiver during recording with the timecode function enabled, the timecode signal from CH2 is not sent to the headphones, and only the audio set for CH1 can be monitored.

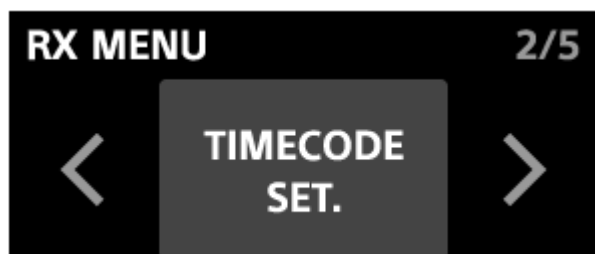
Related Topic

- [Receiver status screen](#)
- [Monitoring audio using headphones](#)
- [Using the timecode function](#)
- [TIMECODE SET.](#)

TP1002542216

TIMECODE SET.

This section describes [TIMECODE SET.] in the receiver menu.



In [TIMECODE SET.], you can configure the following settings for the timecode function.

- **FRAME RATE**

Select the frame rate from the following options according to the settings of the device to be synchronized with the timecode.

- 23.98fps
- 24fps
- 25fps
- 29.97fps DF
- 29.97fps
- 30fps

- **COUNT MODE**

Select the timecode display format.

[REAL TIME]:

Displays the timecode in the [HH:MM:SS:FF] (hours/minutes/seconds/frames) format based on the time set on the receiver.

[COUNT UP]:

Starts counting up from [00:00:00:00]. Select  (Reset) to reset the counter.

- **OUTPUT MODE**

Select the timecode output mode.

[AUDIO OUT]:

Outputs the timecode signal in audio timecode format. You can select [CH2] or [CH4] as the output destination.

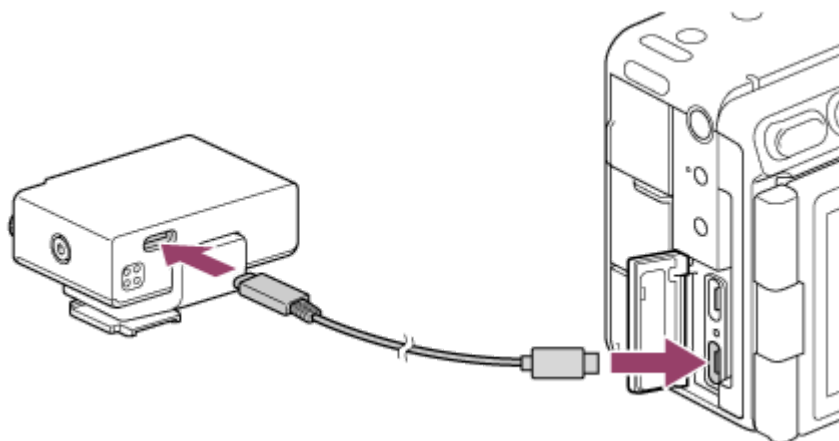
When the receiver is used in any of the following cases where 4-channel output is not supported, setting [CH2] is recommended. If [CH4] is set, the timecode signal is not output.

- The receiver is connected to the Multi Interface Shoe of a camera that does not support a digital audio interface using an analog connection.
- The receiver is connected to a USB audio-compatible device using a USB connection and outputs USB audio.
- The receiver's microphone out jack is connected to the camera's microphone input jack using a commercially available 3.5 mm TRS audio cable.

When the receiver is connected to the Multi Interface Shoe of a camera that supports a digital audio interface, you can select [CH4].

[USB SYNC]:

Outputs synchronized timecode by directly connecting the receiver to the camera using a USB Type-C cable. This option is available when the connected camera supports this function.



When connecting the receiver to a compatible camera, use a USB Type-C cable (USB-C to USB-C) that supports USB 3.0 or later or data transfer speeds of 5 Gbps or higher.

For details about the settings on the compatible camera, refer to the operating instructions supplied with the camera.

Note

- If the receiver's time setting is changed while using the timecode function, the new time is not immediately reflected in the timecode. To reflect the new time in the timecode, perform one of the following operations.
 - Set [TIMECODE ON/OFF] to [OFF] and then back to [ON].
 - Set [COUNT MODE] to [COUNT UP] and then back to [REAL TIME].
- When [OUTPUT MODE] is set to [AUDIO OUT], a very loud timecode signal is output to devices connected to the receiver, such as a camera. Do not monitor this signal through devices connected to the receiver.
- As of September 2026, only ILME-FX5 supports [USB SYNC] (Timecode synchronization) via a USB Type-C cable. For compatibility with cameras released after that, check the following website.
 - ECM-W5
<https://www.sony.net/dics/ecmw5/>
 - ECM-W5R
<https://www.sony.net/dics/ecmw5r/>
- If you connect the receiver to another device using a USB cable while the receiver is attached to the Multi Interface Shoe on a camera, the connection between the camera and receiver via the Multi Interface Shoe will be disconnected.

Related Topic

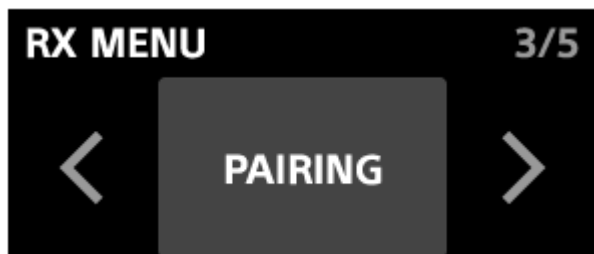
- [Using the timecode function](#)
- [About channel settings](#)
- [TIMECODE ON/OFF](#)
- [DATE/TIME](#)

TP1002542217

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

PAIRING

This section describes [PAIRING] in the receiver menu.



In [PAIRING], you can pair the receiver with a microphone or headphones.

- **TX**

Pairs the receiver with a microphone.

Select the name of the microphone you want to pair.

For details, see "[Connecting the microphone to the receiver.](#)"

- **TWS**

Pairs the receiver with headphones.

Select the name of the headphones you want to pair.

For details, see "[Connecting headphones to the receiver.](#)"

The name of the paired headphones is displayed if any headphones are already paired.

TP1002542218

POWER LINK

This section describes [POWER LINK] in the receiver menu.



In [POWER LINK], you can set whether to link the power on/off of the receiver with that of devices connected to the receiver.

- **RX-TX**

When set to [ON], the microphone turns on and off in sync with the power of the receiver. However, turning the microphone on or off does not turn the receiver on or off.

- **CAM-RX**

When set to [ON], the receiver turns on and off in sync with the power of the camera connected to the receiver. However, turning the receiver on or off does not turn the camera on or off.

Note

- When [RX-TX] is set to [ON], power consumption increases even when the receiver and microphone are turned off. When [CAM-RX] is set to [ON], power consumption increases even when the receiver is turned off.
Putting the receiver and microphone in the charging case automatically sets [POWER LINK] to [OFF] to reduce power consumption. When not using the receiver or microphone, it is recommended to keep them in the charging case.
- When [RX-TX] is set to [ON] and only the receiver is placed in the charging case, removing the receiver from the charging case turns it on automatically, but the microphone does not turn on. In this case, turn on the microphone manually.
- The POWER LINK setting takes effect when the receiver and microphone communicate with each other while both are turned on.
- When [CAM-RX] is set to [ON], the receiver turns on or off a few seconds after you turn the camera on or off. This delay is not a malfunction.
- When [CAM-RX] is set to [ON] and the receiver is connected to a camera that does not support the digital audio interface, a warning is displayed on the camera for a few seconds when the receiver turns on in sync with the camera's power. This is not a malfunction. Once the receiver has finished starting up, the warning on the camera disappears automatically, and the receiver and camera can be used normally.
- When [CAM-RX] is set to [ON] and you turn off the camera immediately after turning on the receiver, the receiver may not turn off in sync with the camera. In this case, turn off the receiver manually.
To turn off the receiver in sync with the camera, the receiver needs to be started up before turning off the camera.
- When [MONITOR SET.] in the headphone menu is set to [CAM HP] and the receiver's audio input jack is connected to the camera's headphone output jack, the receiver does not turn on or off in sync with the camera even if [CAM-RX] under [POWER LINK] is set to [ON]. Turn the receiver on or off manually.

- Turning on/off the receiver/microphone
- Charging the built-in batteries with the charging case

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Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

MISHOE SET.

This section describes [MISHOE SET.] in the receiver menu.



In [MISHOE SET.], you can select [DIGITAL] or [ANALOG] depending on the type of connected camera.

- **DIGITAL**
Select this option when your camera supports the digital audio interface of the Multi Interface Shoe.
- **ANALOG**
Select this option when your camera does not support the digital audio interface of the Multi Interface Shoe.

For information on whether your camera supports the digital audio interface, check the following website.

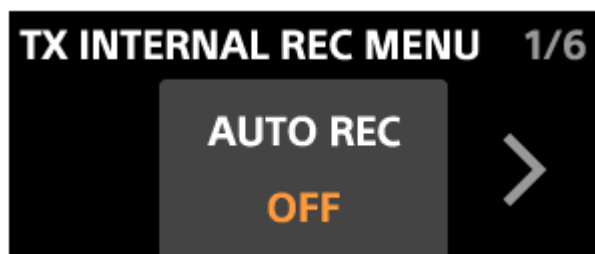
- ECM-W5
<https://www.sony.net/dics/ecmw5/>
- ECM-W5R
<https://www.sony.net/dics/ecmw5r/>

TP1002542220

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

AUTO REC

This section describes [AUTO REC] in the microphone's built-in REC menu.



Set [AUTO REC] to [ON] to automatically start recording to the microphone's built-in memory when the microphone is turned on.

Related Topic

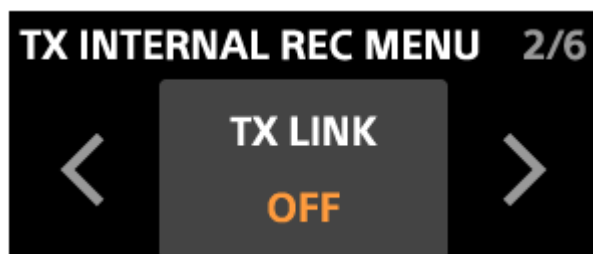
- [Recording audio to the built-in memory of the microphone](#)

TP1002542221

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

TX LINK

This section describes [TX LINK] in the microphone's built-in REC menu.



Set [TX LINK] to [ON] to start recording on multiple microphones simultaneously. When multiple microphones are connected to the receiver, pressing REC (Recording) button on one microphone or starting recording from the input microphone setting screen starts recording on all connected microphones.

Related Topic

- [Input microphone setting screen](#)
- [Recording audio to the built-in memory of the microphone](#)

TP1002542222

REC AUDIO SET.

This section describes [REC AUDIO SET.] in the microphone's built-in REC menu.



In [REC AUDIO SET.], you can select the recording format for recording to the microphone's built-in memory from the following options.

- 32bit float 48kHz
- 24bit int 48kHz
- 24bit int 96kHz

Note

- [24bit int 96kHz] cannot be selected when the connected camera does not support recording at 24 bit/96 kHz. To record audio to the microphone's built-in memory at [24bit int 96kHz], connect a camera with the recording format set to "24 bit/96 kHz" to the receiver, and set [REC AUDIO SET.] to [24bit int 96kHz] on the receiver. The [REC AUDIO SET.] setting does not change automatically to match the camera's setting. When the receiver is removed from the camera and the receiver and the microphone are turned off, the [REC AUDIO SET.] setting is automatically reset to [32bit float 48kHz] (default setting). To record at [24bit int 96kHz] again, connect a camera with the recording format set to "24 bit/96 kHz" to the receiver and set [REC AUDIO SET.] to [24bit int 96kHz] again.
- [24bit int 96kHz] cannot be selected when [MODE SELECT] is set to [4TX] or [TWS MIC] on the receiver.

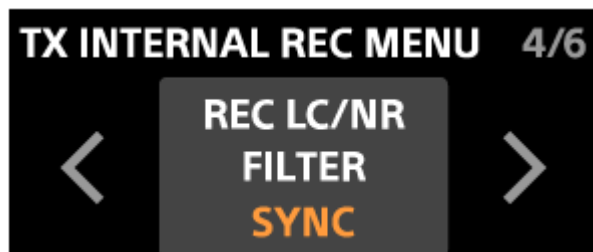
Related Topic

- [Recording audio to the built-in memory of the microphone](#)

TP1002542223

REC LC/NR FILTER

This section describes [REC LC/NR FILTER] in the microphone's built-in REC menu.



In [REC LC/NR FILTER], you can set whether to enable the LC (Low Cut) filter and NR (Noise Reduction) for recording to the microphone's built-in memory.

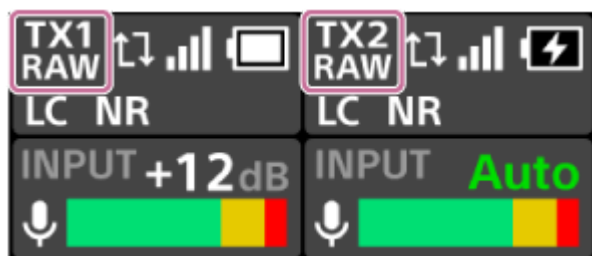
- **SYNC**

Applies the LC filter and NR settings on the input microphone setting screen to recording to the built-in memory.

- **RAW**

Disables the LC filter and NR for audio recorded to the microphone's built-in memory, even when the LC filter and NR are set to [ON] on the input microphone setting screen. This allows audio with the LC filter and NR applied to be output from the receiver while the original audio is recorded to the microphone's built-in memory.

When set to [RAW], [RAW] is displayed below the microphone name on the microphone status screen.



Related Topic

- [Input microphone setting screen](#)
- [Recording audio to the built-in memory of the microphone](#)

TP1002542224

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

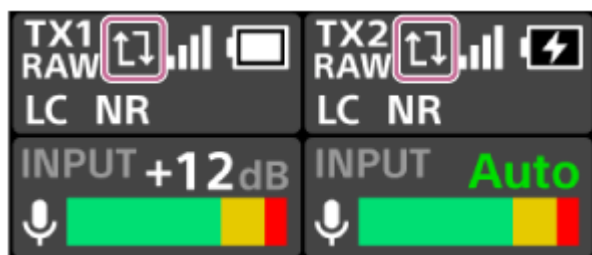
OVERWRITE REC

This section describes [OVERWRITE REC] in the microphone's built-in REC menu.



- **ON**

Overwrites older recordings automatically with new recordings when the microphone's built-in memory becomes full. It is recommended that you regularly back up older recordings to a computer or other device. When set to [ON], arrows are displayed on the microphone status screen.



- **OFF**

Stops recording when the microphone's built-in memory becomes full. On the microphone status screen, [FULL] is displayed below the name of the microphone whose built-in memory is full.



Related Topic

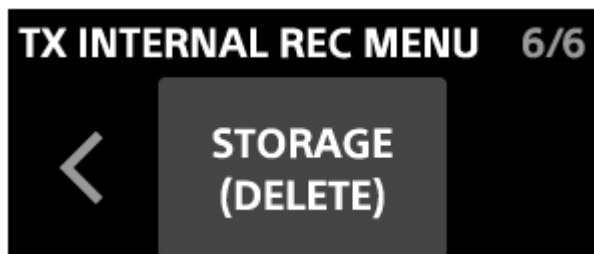
- [Recording audio to the built-in memory of the microphone](#)

TP1002542225

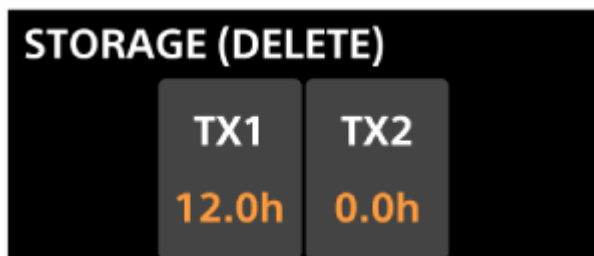
Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

STORAGE (DELETE)

This section describes [STORAGE (DELETE)] in the microphone's built-in REC menu.



In [STORAGE (DELETE)], you can check the remaining recording time available on the microphone's built-in memory and delete recordings.



Select the microphone whose recordings you want to delete, then select [ALL DELETE] and confirm. This deletes all recordings stored in its built-in memory.

Related Topic

- [Recording audio to the built-in memory of the microphone](#)

TP1002542226

MONITOR SET.

This section describes [MONITOR SET.] in the headphone menu.



[MONITOR SET.] is displayed when [MODE SELECT] in the system menu is set to [2TX].
You can select which audio to monitor through the headphones.

- **CH1 / CH2**
Monitors audio from the microphones assigned to CH1 and CH2.
- **CAM HP**
Monitors audio from the camera's headphone output.

Note

- When [CH1 / CH2] is selected and the receiver's audio input jack is connected to the camera's headphone output jack, noise may be heard in the audio monitored through the headphones. To monitor audio from the camera, be sure to select [CAM HP].
- When [CAM HP] is selected and the receiver's audio input jack is connected to the camera's headphone output jack, the camera stops supplying power to the receiver. This is not a malfunction.
- When [MONITOR SET.] in the headphone menu is set to [CAM HP] and the receiver's audio input jack is connected to the camera's headphone output jack, the receiver does not turn on or off in sync with the camera even if [CAM-RX] under [POWER LINK] is set to [ON]. Turn the receiver on or off manually.

Related Topic

- [Monitoring audio using headphones](#)

TP1002542228

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

BINAURAL

This section describes [BINAURAL] in the headphone menu.



[BINAURAL] is displayed when [MODE SELECT] in the system menu is set to [TWS MIC].

You can set this option to [ON] or [OFF] only when using headphones that support binaural recording. Setting it to [ON] enables binaural recording.

Hint

Binaural recording is a method of recording sound under conditions similar to human hearing. It uses microphones positioned close to the eardrums to capture sound. When played back through headphones, it provides an immersive, three-dimensional audio experience.

Related Topic

- [Recording audio on a camera using headphones as the microphone](#)

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Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

MIRROR

This section describes [MIRROR] in the headphone menu.



[MIRROR] is displayed when [MODE SELECT] in the system menu is set to [TWS MIC].
You can set this option to [ON] or [OFF] only when stereo headphones with a microphone are connected. Setting it to [ON] allows you to record with the left and right channels (L/R) of the headphones reversed.

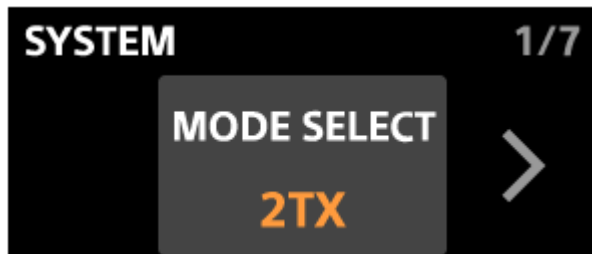
Related Topic

- [Recording audio on a camera using headphones as the microphone](#)

TP1002542230

MODE SELECT

This section describes [MODE SELECT] in the system menu.



In [MODE SELECT], you can select from the following modes.

- **2TX**
Records audio using two microphones.
- **4TX**
Records audio using four microphones.
- **TWS MIC**
Records audio using headphones connected to the receiver.

Note

- When changing modes, the connection between the receiver and microphone is temporarily disconnected. The connection is automatically restored, but if you change modes while recording with a camera or other device connected to the receiver, recording may not continue properly.

Related Topic

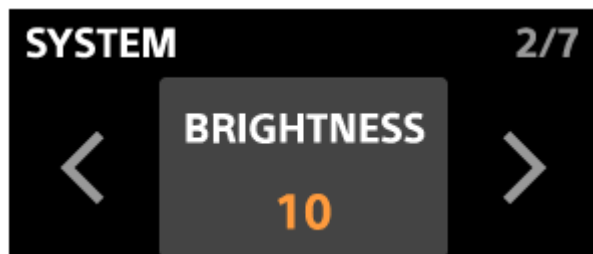
- [Recording audio on a camera using two microphones](#)
- [Recording audio on a camera using four microphones](#)
- [Recording audio on a camera using headphones as the microphone](#)

TP1002542231

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

BRIGHTNESS

This section describes [BRIGHTNESS] in the system menu.



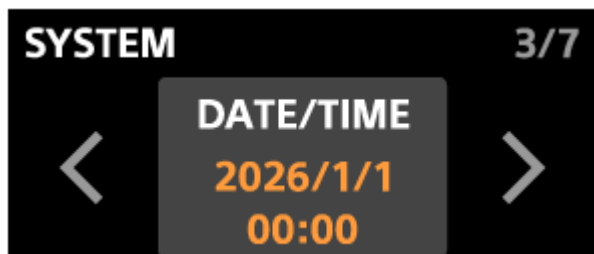
In [BRIGHTNESS], you can adjust the display brightness of the receiver.

TP1002542232

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

DATE/TIME

This section describes [DATE/TIME] in the system menu.



In [DATE/TIME], you can set the date and time.
You can also select the date format from the following options.

- **YYYY/MM/DD**
Displays the date in the year/month/day format.
- **MM/DD/YYYY**
Displays the date in the month/day/year format.
- **DD/MM/YYYY**
Displays the date in the day/month/year format.

Related Topic

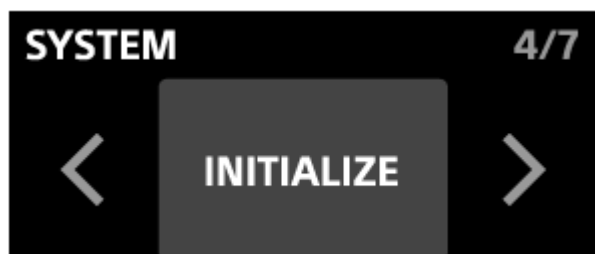
- [Setting the date and time](#)
- [TIMECODE SET.](#)

TP1002542234

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

INITIALIZE

This section describes [INITIALIZE] in the system menu.



In [INITIALIZE], you can reset the receiver settings to the factory default settings.

Resetting the receiver does not delete the pairing information for the two microphones connected as TX1 and TX2.

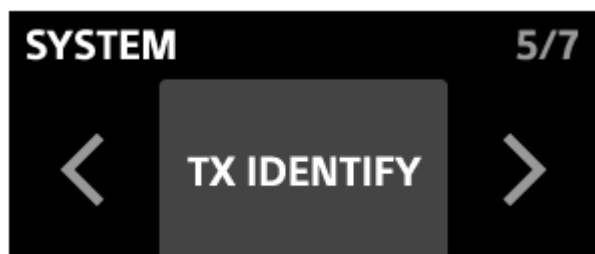
To delete the pairing information, select the microphone in [PAIRING] under [RX], then select [DELETE] to delete the pairing information.

TP1002542235

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

TX IDENTIFY

This section describes [TX IDENTIFY] in the system menu.



[TX IDENTIFY] is displayed when [MODE SELECT] in the system menu is set to [2TX] or [4TX].

In [TX IDENTIFY], the names of the microphones connected to the receiver are displayed.

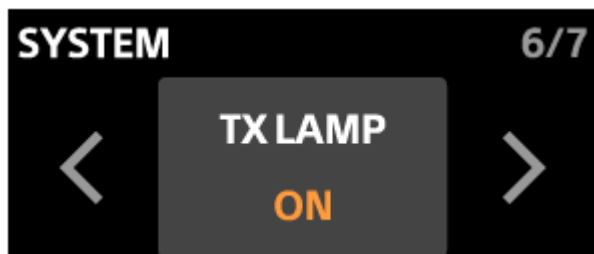
When two microphones are connected, the names TX1 and TX2 are displayed. When four microphones are connected, the names TX1 to TX4 are displayed.

Selecting a microphone name makes all indicators on the selected microphone flash for 3 seconds, allowing you to identify the microphone.

TP1002542233

TX LAMP

This section describes [TX LAMP] in the system menu.



In [TX LAMP], you can configure the microphone indicator settings.

- **ON**

Lights or flashes the microphone indicators depending on the device or communication status.
For details about lamp indications, see “[Lamp indications](#).”

- **OFF**

The microphone indicators do not light or flash.
However, the microphone indicators light or flash in the following cases.

- When the microphone is in pairing mode: The LINK lamp flashes.
- When the microphone is charging: The power lamp lights.
- After the microphone is turned on: The power lamp lights for 3 seconds only.
- When the ON/OFF (Power) button on the microphone is pressed twice quickly: The LINK lamp lights or flashes.
- When a microphone name is selected under [TX IDENTIFY] in the system menu: All indicators on the selected microphone flash for 3 seconds.
For details, see “[TX IDENTIFY](#).”

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Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

VERSION

This section describes [VERSION] in the system menu.



In [VERSION], you can view the version information of the receiver and microphone.

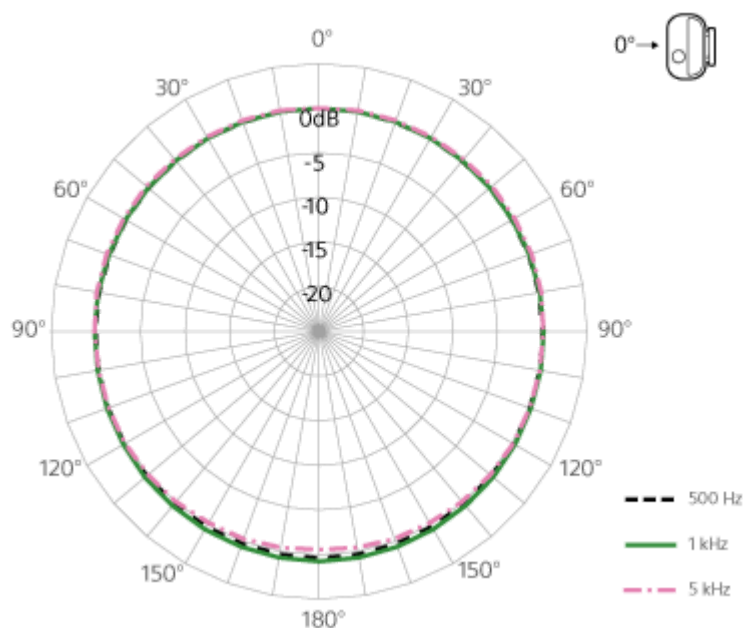
TP1002542236

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

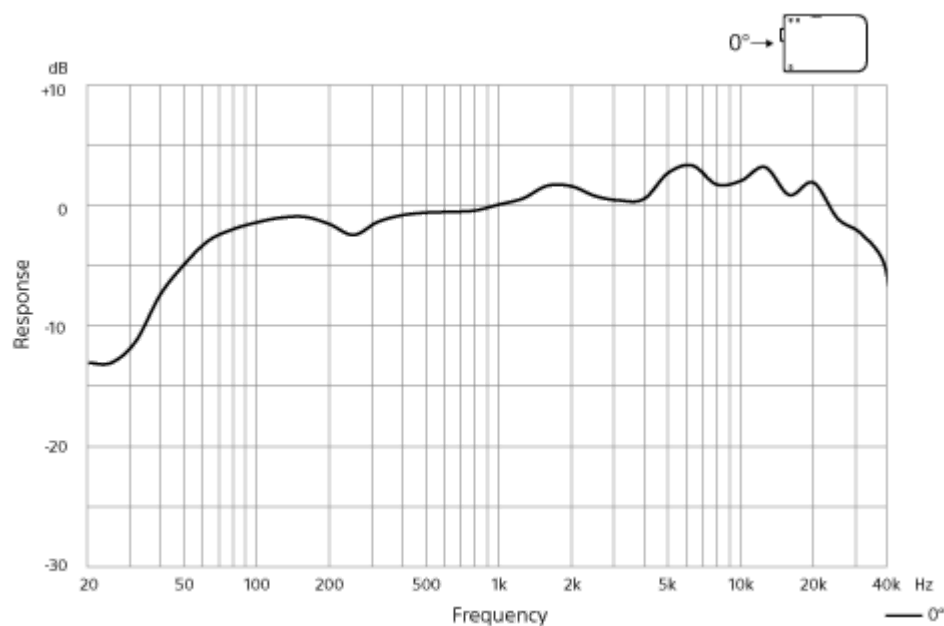
About the pickup pattern and the frequency response

Monaural, Omni-directional

● Pickup pattern



● Frequency response



TP1002542205

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Bluetooth® Wireless Communication Technology

- Bluetooth technology is a wireless communication technology that enables various devices, such as computers, computer peripherals, and smartphones, to connect and communicate wirelessly with each other.

Note

- The communication sensitivity of this unit may be affected by the following environments.
 - When there are obstacles such as people, metal objects, walls, or reflective surfaces between the receiver and microphones, between the headphones and receiver, or between the smartphone and microphones.
 - When using the unit in locations where a wireless LAN is set up, multiple Bluetooth devices are used in close proximity, a microwave oven is in use nearby, or electromagnetic waves are generated.
- If the microphone is placed too close to the camera, noise may be recorded in the audio due to radio wave interference. In this case, move the microphone away from the camera before use.
- You can check the communication status between the receiver and microphone as follows.
 - Receiver: Communication strength indicator on the microphone status screen
 - Microphone: LINK lamp

The communication status may deteriorate due to the surrounding wireless environment or obstacles, causing audio dropouts or noise. In such cases, the LINK lamp on the microphone may flash, or the communication strength indicator on the receiver screen may indicate a weak signal. Check that the distance is appropriate and that there are no obstacles. Use the unit when the communication strength is stable.

Related Topic

- [Microphone status screen](#)
- [Lamp indications](#)

TP1002542206

Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Notes on use

Failure to follow the safety precautions for electrical products may cause a fire or personal injury.

This Help Guide provides important precautions to prevent accidents and describes how to handle this unit. Please read this manual carefully and use the unit safely.

- Please read this manual (including charging instructions and information on the minimum and maximum operating temperatures).
Also refer to the user manual of the device to which this unit is connected, such as your camera.
- Using this product with products from other manufacturers may affect its performance, leading to accidents, malfunctions, or damage.
- To avoid the risk of a fire or an electric shock, observe the following:
 - Do not disassemble or alter this unit.
 - Do not use this unit with wet hands.
 - Do not allow ingress of water or foreign matters (metal, flammable substances, etc.) to this unit.
 - Do not use this unit in a place subject to water splashes, high humidity, dust, oil fumes, and steam.
 - Do not short-circuit this unit or store it in a receptacle where it may be short-circuited by other metallic or conductive objects.
- To avoid the risk of damage or a malfunction, observe the following:
 - This unit is precision equipment. Do not drop the unit, hit it, or subject it to a strong physical impact.
 - Handle this unit with care to avoid the risk of letting it exposed to liquid.
 - Do not subject this unit to mechanical shock such as crushing, bending, puncturing or shredding.
 - Do not touch the electrical contacts on this unit with bare hands.
 - Do not use or store this unit in a place subject to high temperatures and humidity.
- For interior inspection and repair of this unit, contact your Sony dealer or local authorized Sony service facility.
- This unit is designed to be dust and moisture-resistant, but is not waterproof or splash-proof. When you use the unit in rainy conditions, do not let the unit get wet.

Notes on the battery and battery charging

- This unit will generate heat when charging. Always charge in a well ventilated area. Do not charge under pillows, blankets or on flammable surfaces.
- Observe the following cautions, as there may be a risk of heat generation, fire or explosion.
 - * Lithium-ion battery is built into the product.
 - Do not place the product in or near fire, or put the product in a microwave.
 - Do not leave the product in a car in hot weather.
 - Do not store or use the product in a hot and humid place such as in a sauna bath.
 - Do not disassemble, modify, cut, crush or pierce the product.
 - Do not expose the product to excessive shock such as dropping from a high place.
 - Do not expose the product to high temperatures above 60 °C (140 °F).
 - Do not incinerate or dispose of in fire.
 - Keep the product dry.
 - Do not expose to extremely low temperatures of -20 °C (-4 °F) or lower or extremely low pressures of 11.6 kPa or lower.

Dispose of the product appropriately.

Charge the product by the designated charging method in the instruction manual.

Notes on using the magnet

- This product (including accessories) has magnet(s) which may interfere with pacemakers, programmable shunt valves for hydrocephalus treatment, or other medical devices. Do not place this product close to persons who use such medical devices. Consult your doctor before using this product if you use any such medical device.
- Because this product (including accessories) has magnet(s), be sure to check that no metal chips (such as cutter blades, staples, etc.) are stuck to it.
Items that adhere to the product could cause injury.
- Keep any magnetic card away from this unit (including supplied accessories).
The unit (including supplied accessories) contains magnetic components. Bringing a magnetic card close to the unit may alter the magnetic field of the card, resulting in an unusable card.
- Do not place the magnet included with ECM-W5 and ECM-W5T within reach of infants and young children. Although the magnet is designed to reduce the risk of being swallowed, if it is accidentally swallowed or is suspected to have entered the body, seek immediate medical attention.
- When wearing thick clothing such as a sweater or down jacket, the microphone attached with magnets may fall off. Make sure that it is securely attached. In addition, use the microphone with caution when making vigorous movements to prevent accidents caused by the falling microphone.

Precautions while driving a vehicle or walking

- Do not use this unit while driving a vehicle. Do not use headphones or perform detailed operations while driving a car or motorcycle. Doing so may cause a traffic accident. In addition, when using the unit while walking, pay close attention to your surroundings, including traffic and road conditions, to avoid accidents.

Notes on handling this unit

- To use the built-in flash of the camera, remove the receiver of this unit from the camera.
- Do not lift a camera or other equipment by holding the receiver while it is connected to the receiver. Doing so may damage the connectors or cause the equipment to fall.
- When carrying the receiver or when not using it, remove the receiver from the camera and place it in the charging case, or attach the supplied protection cap and store it in the pouch to prevent damage to the terminals.
- If other devices experience radio interference while using this unit, stop using the wireless function.
Radio waves may affect other devices, resulting in malfunctions or accidents.

Notes on wireless connection

- If there are wireless devices nearby, keep the receiver and microphone sufficiently away from those devices.

Notes on audio recording

- Touching the receiver, microphone, or a commercially available 3.5 mm TRS audio cable during recording may cause noise to be recorded.
- When this unit is connected to a device using an analog connection, noise may be recorded depending on the environment.
- If dust, water droplets, or other foreign matter is present on the microphone, recording may not be performed correctly. Remove them before use.

Notes on using headphones and the microphone

- When this unit is used at low temperatures, the battery performance drops compared to when it is used at the normal temperature (25 °C (77 °F)), resulting in a shorter operating time.
- While using headphones and the microphone, bringing the headphones close to the microphone may cause a high-pitched squeal (acoustic feedback). When this occurs, move the headphones as far away from the microphone as possible, or lower the headphone volume.

Notes on the wind screen

- Due to the characteristics of the material, the fibers on the supplied wind screen may fall off or become disheveled. In addition, friction, sweat, and exposure to water could cause color fading or color transfer to another fabric product.

- Before changing the lens, make sure that no wind screen fibers are present on the surface of the lens and the camera body. If present, clean them off with a blower etc. and then change the lens.

Notes on disposing of this unit

- The built-in rechargeable batteries in this unit are recyclable. Do not attempt to remove them yourself. Contact Sony customer support.

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Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

Specifications

Wireless communication

Communication system	Bluetooth specification Ver. 6.1
Working range*	Up to 500 m (1 600 ft.)

* This is the approximate working range when the microphone is upright and directly facing the receiver. It varies depending on surrounding conditions, including the presence or absence of reflective surfaces, obstacles such as metal objects or people, and radio wave conditions.

Eco and energy saving

Power consumption (Off mode)	Not available
Power consumption (Standby mode/Low power mode)	0.2 W
Power consumption (Network standby mode)	Receiver: 0.3 W ^{*1} Microphone: 0.2 W ^{*2}
Low power mode activated	Within 20 minutes
Time until network standby mode is enabled	Within 20 minutes

^{*1} Multi Interface Shoe, Microphone out jack, all terminals and networks connected

^{*2} Bluetooth function, all terminals and networks connected

Receiver

Microphone out jack	Ø3.5 mm mini jack (stereo)
Audio input jack	Ø3.5 mm mini jack (stereo)
USB port	USB Type-C
Power requirements	Built-in lithium-ion battery (approx. 3.7 V) / Power supply via the Multi Interface Shoe
Rated Voltage	5 V 
Power consumption (Approx.)	0.22 W
Continuous operating time (Approx.)	7 hours (with the built-in battery fully charged) ^{*1}
Charging time (Approx.)	55 minutes ^{*2}
Dimensions (Approx.)	53.5 mm × 17.8 mm × 37.5 mm (2 1/8 in. × 23/32 in. × 1 1/2 in.) (W/H/D)
Mass (Approx.)	35 g (1.3 oz.)

- *1 The operating time is based on the following operating conditions.
- Two microphones are connected to the receiver.
 - No external microphone is connected to the audio input jack on the receiver.
 - The output gain is set to 0.
- *2 The time required to fully charge the battery from a completely depleted state using a USB AC adaptor with an output of 5 V  and 3 A. The charging time may vary depending on the usage conditions.

Microphone

Frequency response	20 Hz - 20 000 Hz (48 kHz sampling)/20 Hz to 40 000 Hz (96 kHz sampling)
Pickup pattern	Monaural, Omni-directional
Front sensitivity *1	-40 dBFS (0.1 Pa, 1 kHz)
Intrinsic noise *1 *2	21 dB SPL or less (0 dB = 2×10^{-5} Pa)
Wind noise *1 *3	● 47 dB SPL or less (without the wind screen attached) ● 30 dB SPL or less (with the wind screen attached)
Maximum input sound pressure level	124 dB SPL *1 *4
Dynamic range *2	103 dB or more
External microphone jack	Ø3.5 mm mini jack (monaural)
USB port	USB Type-C
Power requirements	Built-in lithium-ion battery (approx. 3.7 V)
Rated Voltage	5 V 
Power consumption (Approx.)	0.32 W *5
Continuous operating time (Approx.)	11 hours (with the built-in battery fully charged) *5
Charging time (Approx.)	55 minutes *6
Dimensions (Approx.)	31.0 mm × 47.0 mm × 22.3 mm (1 1/4 in. × 1 7/8 in. × 29/32 in.) (W/H/D)
Mass (Approx.)	27.1 g (1.0 oz.)

*1 The input gain is set to AUTO, the output gain is set to 0 dB, and NR (Noise Reduction) is set to off.

*2 MISHOE SET: DIGITAL

*3 Equivalent input sound pressure level converted from the average noise output of the microphone when an airflow at a wind speed of 2 m/s is applied to the microphone from all directions. (0 dB = 2×10^{-5} Pa)

*4 Equivalent input sound pressure level converted from the input level that produces 1% waveform distortion in the microphone output signal at 1 kHz. (0 dB = 2×10^{-5} Pa)

*5 The operating time is based on the following operating conditions.

- The microphone is connected to the receiver.
- No external microphone is connected to the audio input jack.
- The input gain is set to 0.
- The LC (Low Cut) filter and NR (Noise Reduction) are off.
- The receiver is set to [2TX] mode, and audio is transmitted at close range without interference.

*6 The time required to fully charge the battery from a completely depleted state using a USB AC adaptor with an output of 5 V  and 3 A. The charging time may vary depending on the usage conditions.

Charging case

USB port	USB Type-C
-----------------	------------

Rated Voltage	5 V 
Power consumption (Approx.)	7.6 W
Charging time (Approx.)	150 minutes*
Dimensions (Approx.)	77.5 mm × 51.0 mm × 94.5 mm (3 1/8 in. × 2 1/8 in. × 3 3/4 in.) (W/H/D)
Mass (Approx.)	174 g (6.2 oz.)

* The time required to fully charge the battery from a completely depleted state using a USB AC adaptor with an output of 5 V  and 3 A. The charging time may vary depending on the usage conditions.

Others

Operating temperature	0 °C to 40 °C (32 °F to 104 °F)
Storage temperature	−10 °C to +55 °C (14 °F to 131 °F)

Recommended USB AC adaptor

Input	100-240 V  , 50/60 Hz
Output	5 V  , 3 A or more

Design and specifications are subject to change without notice.

TP1002542209

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Wireless Microphone/Wireless Receiver/Wireless Transmitter
ECM-W5 / ECM-W5R / ECM-W5T

If the message “This accessory is not supported by the device and cannot be used.” is displayed on the camera:

Check the following in order.

1 Make sure that your camera is compatible with this unit.

For the camera models that are compatible with the unit, visit the following websites.

- ECM-W5
<https://www.sony.net/dics/ecmw5/>
- ECM-W5R
<https://www.sony.net/dics/ecmw5r/>

Note

- Cameras not listed on the above websites cannot be used with this unit.

2 When using this unit with a camera that does not support the digital audio interface, set [MISHOE SET.] to [ANALOG] on the receiver's control menu screen.

For details about the settings, see “[MISHOE SET.](#)”

3 If the contacts on the receiver or camera are dirty with dust or other foreign matter, they may not be recognized. Wipe off any dirt with a cotton swab or a soft, dry cloth (such as a cleaning cloth). Do not use water or chemicals.

Note

- When [CAM-RX] is set to [ON] under [POWER LINK] in the receiver menu and the receiver is connected to a camera that does not support the digital audio interface, a warning is displayed on the camera for a few seconds when the receiver turns on in sync with the camera's power. This is not a malfunction. Once the receiver has finished starting up, the warning on the camera disappears automatically, and the receiver and camera can be used normally.

Related Topic

- [Control menu screen](#)
- [POWER LINK](#)

TP1002542211