

# KENWOOD

DIGITAL WIRELESS SYSTEM

## SLG-7

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## INSTRUCTION MANUAL

Kenwood Corporation

ENGLISH

### **Declaration of Conformity with regard to the R&TTE Directive 1999/5/EC**

**Manufacturer:**

Kenwood Corporation  
2967-3 Ishikawa-machi, Hachioji-shi, Tokyo, 192-8525 Japan

**EU Representative's:**

Kenwood Electronics Europe BV  
Amsterdamseweg 37, 1422 AC UITHOORN, The Netherlands



Hereby, Kenwood declares that this unit SLG-7 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

## Safety precautions

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### **Caution:**

Read this page carefully to ensure safe operation.

### **WARNING :**

TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

## ***IMPORTANT SAFETY INSTRUCTIONS***

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**Read Instructions** – All the safety and operating instructions should be read before the product is operated.

**Retain Instructions** – The safety and operating instructions should be retained for future reference.

**Heed Warnings** – All warnings on the product and in the operating instructions should be adhered to.

**Follow Instructions** – All operating and use instructions should be followed.

- 1. Cleaning** – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 2. Attachments** – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- 3. Water and Moisture** – This product shall not be exposed to dripping and splashing – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like. Do not place an object containing liquid, such as a flower vase, on the appliance.
- 4. Accessories** – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



5. **Ventilation** – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
6. **Power Sources** – This product should be operated only from the type of power source indicated on the product. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
7. **Power Cord Protection** – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
8. **Lightning** – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
9. **Overloading** – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
10. **Object and Liquid Entry** – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
11. **Servicing** – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
12. **Damage Requiring Service** – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - a) When the power-supply cord or plug is damaged,
  - b) If liquid has been spilled, or objects have fallen into the product,
  - c) If the product has been exposed to rain or water,
  - d) If the product does not operate normally by following the operating instructions.
  - e) If the product has been dropped or damaged in any way, and
  - f) When the product exhibits a distinct change in performance – this indicates a need for service.
  - g) If an abnormal smell or smoke is detected.

## Safety precautions

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- 13. Replacement Parts** – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- 14. Safety Check** – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- 15. Wall or Ceiling Mounting** – This product should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 16. Heat** – This product should be situated away from heat sources such as radiators, heat registers, stoves, or other products that produce heat. Do not place a flaming object, such as a candle or lantern, or near the product.
- 17. Power Lines** – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- 18. Do not use this product if you carry a cardiac pacemaker on you** – Otherwise, the radio frequency energy may affect the operation of the pacemaker.
- 19. Do not use this product in a medical facility such as a hospital, near medical electronic equipment or in an aircraft** – Otherwise, the radio frequency energy may cause a malfunction or accident.

## Notes on Radio Waves

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- The radio wave transmission range is an unobstructed distance of about 30 meters between the Transmitter and the Receiver. If a reinforced concrete or metallic wall is located between the Transmitter and the Receiver, the radio waves are blocked and the music may be interrupted or stopped. Note that the transmission range may decrease depending on the operating environment.
- If this product is used in proximity of the following type of electronic equipment, radio wave interference may cause problems such as a malfunction or noise.
  - Equipment using the 2.4 GHz band frequency, such as a wireless LAN, microwave oven, digital cordless phone or Bluetooth device. The audio may be interrupted due to radio wave interference.
  - AV equipment with an antenna input terminal, such as a radio, TV, video recorder or CS tuner. The audio and video may be interfered with by noise.
- The radio waves emitted from this product may be tapped by a third party. Do not use this product for important communications or communications with which human life is in question.

## Maintenance

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When this product gets dirty, wipe it with a soft, dry cloth. Do not use lacquer thinner, benzene or alcohol as these substances may discolor the finish.

# Contents

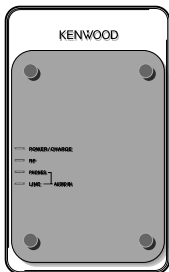
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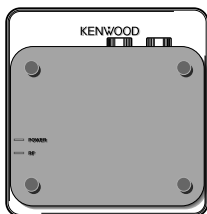
## Trademark Information

- "Microsoft" and "Windows Media" are trademarks or registered trademarks of Microsoft Corporation in the USA and other countries.

# Unpacking



Transmitter



Receiver



Audio cable ①  
(Stereo mini-plug – Stereo mini-plug)



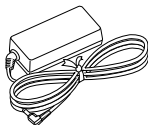
Audio cable ②  
(RCA pin plugs – Stereo mini-plug)



Audio cable ③  
(RCA pin plugs – RCA pin plugs)



USB cable



AC adapter x 2  
(AC-050150A)



AC adapter  
power cord x 2



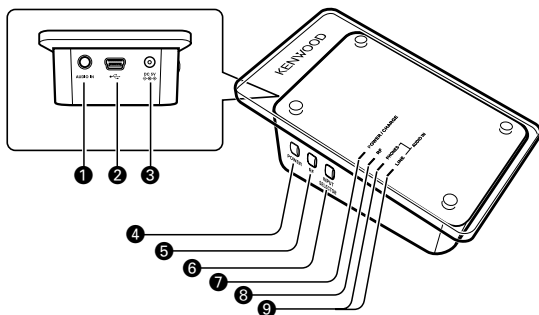
Sheets  
Use to install a portable component,  
etc. on the Transmitter to prevent  
slipping or scratching.



Wrench  
Use to dispose of the built-in  
battery (page 23).

# Names and functions of parts

## Transmitter



### 1 Analog input terminal (AUDIO IN)

Connect the stereo mini-plug of the audio cable ① connected to the HEADPHONE terminal of a portable audio player or the audio cable ② connected to the LINE OUT terminals of a stereo component.

### 2 USB input terminal ( )

Connect the USB cable connected to a PC.

### 3 DC input terminal (DC5V)

Connect one of the AC adapters.

### 4 Power switch key (POWER)

Press and hold to switch the power ON/OFF.

### 5 Channel selector key (RF)

Press to switch the channel or ID for use in communication between the Transmitter and the Receiver.

### 6 Input selector key

Press to switch between the analog input and the USB input. Each time you press the key, the input source switches in the order of LINE, PHONES and USB.

### 7 Power indicator lamp (POWER/CHARGE)

The lamp lights green when the power is ON. It lights red during recharging (with the power OFF) and turns off upon completion of recharging. It flashes red when the built-in battery is nearly exhausted.

### 8 Communication indicator lamp (RF)

The lamp lights when the Transmitter is communicating with the Receiver. It flashes during registration of the ID.

### 9 Input indicator lamps

The corresponding lamp lights for the input source selected with the input selector key.

#### • LINE lamp:

Lights when the line input is selected.

#### • PHONES lamp:

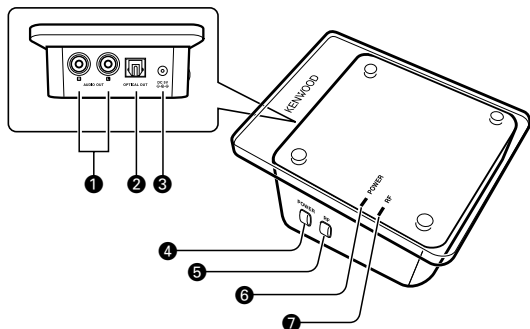
Lights when the headphone input is selected. (HEADPHONE)

#### • Off:

Both LINE and PHONES lamps turn off when the USB input is selected.



## Receiver



**1 Analog output terminals (AUDIO OUT)**

Connect the RCA pin plugs of the audio cable connected to the LINE IN terminals of a home audio component.

**2 Optical digital output terminal (OPTICAL OUT)**

Connect an optical digital cable (commercially available) connected to the optical digital input terminal of a home audio component.

**3 DC input terminal (DC5V)**

Connect one of the AC adapters

**4 Power switch key (POWER)**

Press and hold to switch the power ON/OFF.

**5 Channel selector key (RF)**

Press to switch between IDs for use in communication between the Transmitter and the Receiver.

**6 Power indicator lamp (POWER)**

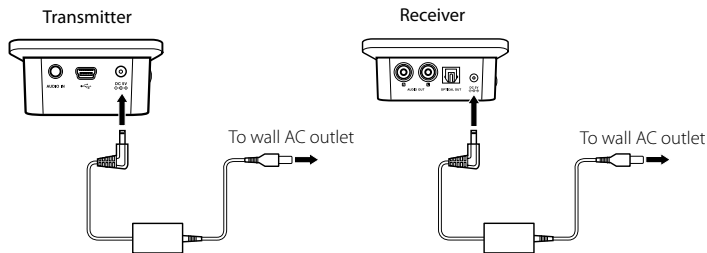
The lamp lights when the power is ON.

**7 Communication indicator lamp (RF)**

The lamp lights when the Receiver is communicating with the Transmitter. It flashes during registration of the ID.

# Connecting the AC Adapters

Connect the AC adapters (supplied) to the Transmitter and the Receiver.



## ⚠ Caution

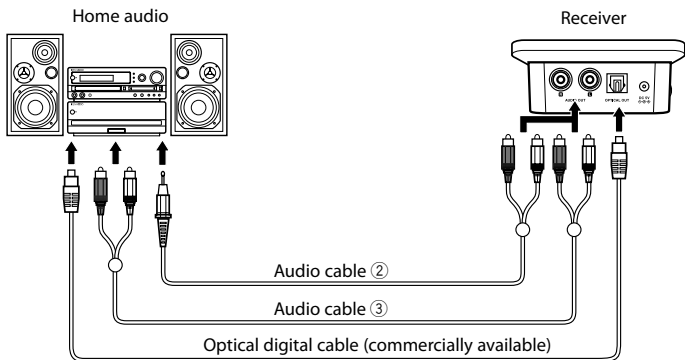
- Use the enclosed AC adaptor (AC-050150A) for this product. To prevent a fire or electric shock hazard, do not use an AC adapter other than the one specified.
- The power of this equipment will not be completely cut off from the wall outlet when the power switch is turned off. Install the equipment so that the wall outlet is easily accessible and, in case of emergency, immediately unplug the power cord from the wall outlet.



- The provided power cord is designed for use in Europe. When using the player in a country outside Europe, please prepare a power cord matching the power cord standard of the country.
- The two supplied AC adapters are identical. Each of them can be used with either the Transmitter or the Receiver.
- The Transmitter is equipped with a built-in rechargeable battery so that it can be used without connecting the AC adapter. However, the built-in battery has not been fully charged at the time of purchase, so it should be fully recharged with one of the AC adapters. Recharging completes in about 3 hours.

# Connecting the Receiver

Connect the Receiver to a home audio component such as a set by using the audio cable (supplied) or an optical digital cable (commercially available).

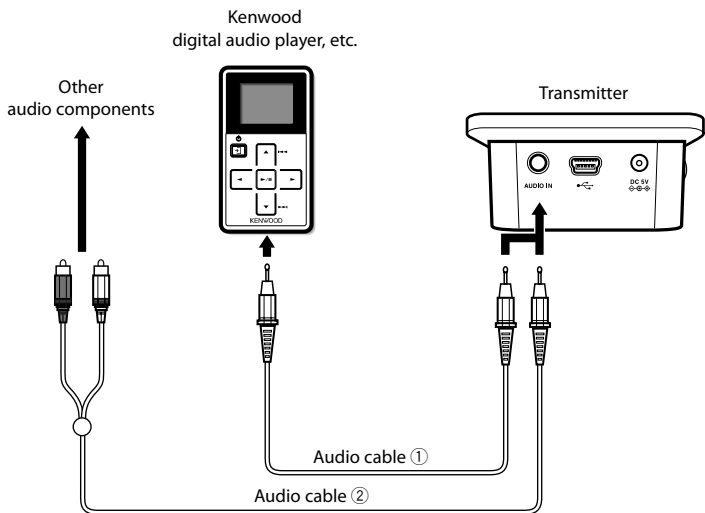


- Be sure to switch both the Receiver and the connected audio component OFF before connecting them.

# Connecting the Transmitter

## Connecting to an Audio Component

Connect the Transmitter to an audio component such as a portable player using the audio cable (supplied).



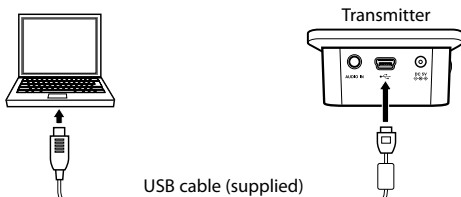
- Be sure to switch both the Transmitter and the connected audio component OFF before connecting them.

## Connecting to a PC

Connect the Transmitter to a PC using the USB cable (supplied).

### 1 Boot the PC.

### 2 Connect the Transmitter and the PC with the USB cable (supplied).



### 3 Switch the Transmitter ON.

When the Transmitter is connected for the first time to the PC, Windows running on it recognizes the Transmitter as new hardware and starts the installation of the required device driver automatically. When the installation finishes, the RF lamp on the Transmitter lights steadily.

## PC System Requirements

OS	Microsoft® Windows® Vista/XP SP1 or after/2000 SP4 or after
USB terminal	Compliance to USB 1.1 standard.
<ul style="list-style-type: none"><li>• The operation is not always guaranteed for all of the environments meeting the above requirements.</li><li>• Use a PC in which one of the OSs mentioned above is preinstalled. The operation is not guaranteed with a PC running an upgraded OS or a PC assembled by the user.</li></ul>	



- When the USB connection, always use an enclosed USB cable.
- The Transmitter functions as the speaker device of the PC.
- The installation process on Windows may take some time.
- Under certain operating environments, the PC may be unable to supply power through the USB cable. In this case, connect one of the supplied AC adapters to the Transmitter.
- The USB hub cannot be used. Always connect the Transmitter and the PC directly with the supplied USB cable.

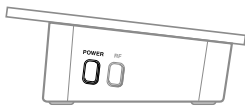
# Switching Power ON/OFF

Press and hold the POWER key to switch the power ON. The POWER lamp lights up.

Transmitter



Receiver



Press and hold the POWER key again to switch the Transmitter OFF.



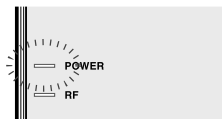
This product is available for operation when the RF lamps of both the Transmitter and the Receiver are lit.

## Playing the Audio Component

The songs stored on the audio component connected to the Transmitter can be reproduced in the original high quality from the audio component connected to the Receiver.

### 1 Switch the Receiver and the connected audio component ON.

Receiver

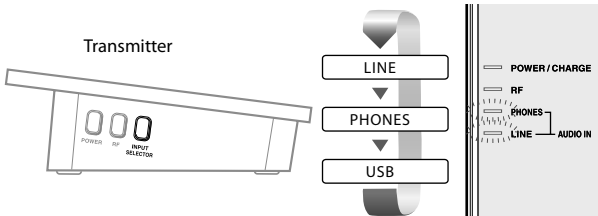


### 2 Switch the Transmitter ON.

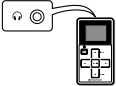

Transmitter



### 3 Select the LINE or PHONES input according to the connected audio component.



When the USB input is selected, both the LINE and PHONES lamps are extinguished.

Audio component	Setting
	Headphones jack of a digital audio player, CD player, etc. AUDIO IN PHONES
	Recording or playback (LINE OUT) terminals of a stereo set, etc. AUDIO IN LINE

### 4 Play the audio component.



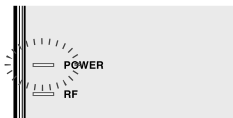
- Select the LINE or PHONES input according to the audio component connected to the Transmitter. The audio may be distorted if a wrong input source is selected.
- The listening volume can be adjusted both on the player connected to the Transmitter and the audio component connected to the Receiver.

# Playing songs stored on the PC

The songs stored on the PC connected to the Transmitter can be reproduced in the original high quality from the audio component connected to the Receiver.

## 1 Switch the Receiver ON.

Receiver



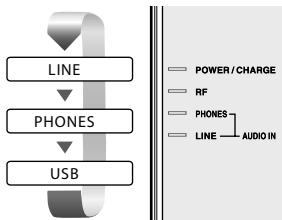
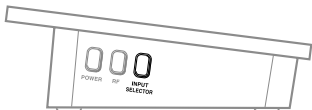
## 2 Switch the Transmitter ON.

Transmitter



## 3 Select the USB input.

Transmitter



When the USB input is selected, both the LINE and PHONES lamps are extinguished.

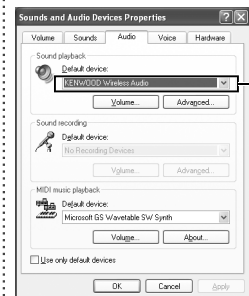
## 4 Play songs with the Windows Media Player, etc.



## If the audio is not output

If the audio is not output or the volume is very low while the PC is playing songs, adjust the playback volume in the following procedure (which describes the example of operation on Windows XP).

- 1 **Select [Start] - [Setup] - [Control Panel].**
- 2 **Double-click on [Sound and Audio Devices Properties].**
- 3 **Select the [Audio] tab, open the [Predefined Devices] drop-down list in the [Sound Playback] field and select [KENWOOD Wireless Audio].**



Select [KENWOOD Wireless Audio].

- 4 **Click on [Volume].**
- 5 **Uncheck the [Mute] checkbox and adjust the volume.**



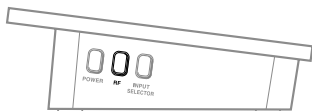
- The volume can also be adjusted by selecting [Start] – [Control Panel] – [Sound and Audio Devices Properties] – [Volume] tab on the PC connected to the Transmitter or on the audio component connected to the Receiver. The simplest operation is to adjust the volume on the audio component while the playback volume of the PC set at the maximum level.
- No audio is output from the PC speakers when the Transmitter is connected to the PC through the USB cable.

# Changing the Communication Channel

If the audio is noisy or interrupted intermittently, there may be interference in the communication channel. In this case, try changing the communication channel as described below.

## 1 Press the RF key on the Transmitter.

Transmitter



Each time you press the RF key, the communication channel switches.



- Switching the channel on the Transmitter automatically switches the one on the Receiver.
  - This product is equipped with three channels for use in communication.
- If the reception cannot be improved by switching between channels, try changing the installation locations of the Transmitter and the Receiver.

# Changing the Combination of the Transmitter and the Receiver

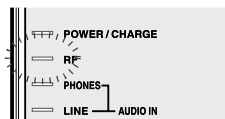
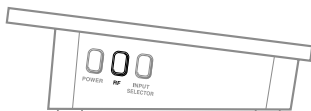
To use the Transmitter with a different Receiver or to use the Receiver with a different Transmitter, it is necessary to coordinate their IDs as described below. Note that the following operation is not required when using the Transmitter and the Receiver supplied together in the same package because their IDs have already been coordinated at the factory.

**1 Place the Transmitter and the Receiver within a close distance (about 30 cm) in which you can operate both of them simultaneously.**

**2 Switch the Transmitter and the Receiver ON.**

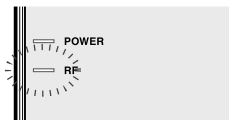
**3 Press and hold the channel selector keys on the Transmitter and Receiver simultaneously.**

Transmitter



The RF lamp on the Transmitter flashes.

Receiver



The RF lamp on the Receiver flashes.

**4 When the RF lamps on both the Transmitter and the Receiver stop flashing and start to light steadily, release the channel selector keys.**

# Troubleshooting

A problem does not always mean a malfunction. In case of a problem, first check the symptom in the following table before calling for service. Some problems may result from connected components, so refer to the manuals supplied with your other components, too.

Symptom	Remedy
The power cannot be switched ON.	<p>The AC adapter is not connected (Transmitter or Receiver) or the built-in battery is exhausted (Transmitter).</p> <p>➡ Connect the supplied AC adapters to the Transmitter and the Receiver properly. When powering the Transmitter with the built-in battery, be sure to recharge it fully in advance.</p>
The audio is noisy, distorted or interrupted.	<p>There is something interfering with the communication between the Transmitter and the Receiver.</p> <p>➡ Install the Transmitter and the Receiver in unobstructed locations where both of them can view each other.</p>
	<p>There may be equipment using the same radio frequency band as that being used by this product (e.g. wireless LAN, microwave oven, etc.) in the proximity.</p> <p>➡ Change the communication channel (page 18).</p> <p>➡ Install the Transmitter and the Receiver in locations away from a wireless LAN, microwave oven, etc.</p>
	<p>There is a radio tuner or CS antenna in the proximity.</p> <p>➡ Use the Transmitter and the Receiver away from the antenna.</p>
	<p>Noise may interfere with the communication if there is a source of strong magnetism such as a TV set in the proximity.</p> <p>➡ Install the Transmitter and the Receiver away from the TV set.</p>
The PC does not recognize the Transmitter.	<p>The Transmitter and the PC are connected improperly.</p> <p>➡ Connect them properly using the supplied USB cable (page 13).</p> <p>➡ Connect the USB cable again.</p> <p>If the Transmitter is still not recognized, reboot the PC.</p>
	<p>A USB hub may be in use.</p> <p>➡ Connect the Transmitter and the PC directly with the supplied USB cable.</p>

Symptom	Remedy
The audio is not output or the volume is extremely low.	<p>The Transmitter is connected improperly to the audio component or PC.</p> <p>➡ Connect them properly with the audio cable or the USB cable (pages 12 and 13).</p>
	<p>The AUDIO IN terminal on the Transmitter is set improperly.</p> <p>➡ Press the input selector key for the required number of times to select the input source that matches the connected audio component (page 15).</p>
	<p>[Mute] is checked in the [Volume] setup of the PC.</p> <p>➡ Uncheck [Mute] (page 17).</p>
	<p>The AUDIO IN terminal on the Transmitter is connected to the headphones jack on the audio component and the volume of the audio component is set too low.</p> <p>➡ Adjust the playback volume of the audio component to an appropriate level.</p>
	<p>The volume is set low on the audio component.</p> <p>➡ Adjust to the volume to an appropriate level (page 17).</p>
	<p>The audio output device of the PC is not set to [USB Speaker].</p> <p>➡ Open the [Predefined Devices] drop-down list in the [Sound Playback] field and select [KENWOOD Wireless Audio] (page 17).</p>
	<p>The Receiver is connected improperly to the stereo component with the audio cable or an optical digital cable.</p> <p>➡ Connect them properly with the audio cable or an optical digital cable (page 11).</p>
The left and right audio channels are not balanced.	<p>➡ Check and adjust the output balance of the audio component or PC connected to the Transmitter.</p> <p>➡ Check and adjust the output balance of the stereo component connected to the Receiver.</p>

# Notes on Disposal

## Recycling the Built-in Battery

The Transmitter uses a lithium ion rechargeable battery cell as the built-in battery. The lithium ion rechargeable battery is a recyclable resource. When disposing of the Transmitter, take out the built-in battery and bring it to your local recycling business.

### WARNING

- **Do not heat excessively the built-in battery, open it, modify it or throw it in fire or water.**  
Excessive heat generation, explosion or fire ignition may cause a fire.
- **Do not leave the built-in battery near fire or under direct sunlight.**  
A fire, explosion or excessive heat generation may result.
- **Attach insulating tape on the connectors of the built-in battery.**  
A fire or explosion may result if the battery electrodes are short-circuited.
- **Do not leave the built-in battery within the reach of children.**  
Injury or other accidents may result.
- **If the built-in battery fluid leaks and enters your eyes, immediately rinse your eyes with fresh water and call a doctor.**  
If the fluid is left in your eyes, an eye injury may result.

### Information on Disposal of Old Electrical and Electronic Equipment (applicable for EU countries that have adopted separate waste collection systems)



Products with the symbol (crossed-out wheeled bin) cannot be disposed as household waste.

Old electrical and electronic equipment should be recycled at a facility capable of handling these items and their waste byproducts. Contact your local authority for details in locating a recycle facility nearest to you. Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.

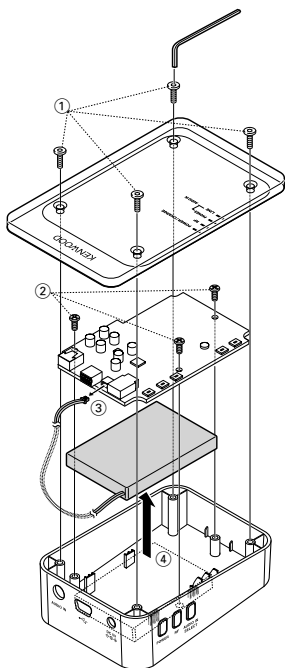
## Removing the Rechargeable Battery (Built-in Battery) Before Disposal: Transmitter

### IMPORTANT:

Never attempt to open the Transmitter besides when disposing of it.

For replacement of the built-in battery, contact your nearest Kenwood service agent.

- ① Remove the four screws from the panel using the supplied wrench.
- ② Remove the three screws from the circuit board using a precision Phillips screwdriver (+).
- ③ Take out the circuit board and disconnect the built-in battery from the connector. Be careful not to apply an excessive force on the connector.
- ④ Take out the built-in battery. Be careful not to injure your nail or finger during removal.
- ⑤ Attach a piece of insulating tape on the connector at the end of the cable from the built-in battery, and put it in a plastic bag, etc.



- Remove the built-in battery after having confirmed that it is completely discharged.
- Once the built-in battery is disconnected, do not attempt to reconnect it to the connector on the circuit board.
- Bring the removed built-in battery to a rechargeable battery recycling business as early as possible.

# Specifications

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## Transmitter

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**Type:**

Digital wireless transmitter

**Frequency band:**

2.4 GHz band (2400 MHz – 2483.5 MHz)

**Audio format:**

AUDIO IN (Linear PCM: 16 bit, 44.1 kHz)

USB (Linear PCM: 16 bit, 32/44.1/48 kHz)

**Communication range (Distance):**

30 m

**Input terminal (Level/Impedance):**

AUDIO IN LINE (2000mV/ 10k $\Omega$ )

AUDIO IN PHONES (800mV/ 33k $\Omega$ )

**USB input terminal:**

Type Mini-B

**Current consumption:**

500 mA max.

**Continuous playback time (with the built-in battery):**

Approx. 4.5 hours

**Recharging time (the built-in battery):**

Approx. 3 hours

**Dimensions (W × H × D):**

61 × 32 × 100 mm

**Weight (Net):**

Approx. 86 g

## Receiver

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**Type:**

Digital wireless receiver

**Frequency response:**

20 Hz – 20 kHz (+0/-1 dB)

**Output terminal (Level/Impedance):**

AUDIO OUT (1.2 V/ 480  $\Omega$ )

**Digital output terminal (Sensitivity/Frequency):**

Optical output

(-21 dbm – -24 dbm/ 660 nm  $\pm$  30 nm)

**Power:**

DC 5 V (AC adaptor: AC 230 V, 50 Hz)

**Dimensions (W × H × D):**

77 × 32 × 78 mm

**Weight (Net):**

Approx. 70 g

- Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

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# KENWOOD

**For your records**

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product.

Model

Serial Number