

SONY[®]

3-268-834-11(1)

Wireless Stereo Headset

Operating Instructions



DR-BT22

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To reduce the risk of electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To reduce the risk of fire, do not cover the ventilation of the apparatus with newspapers, tablecloths, curtains, etc. And do not place lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not place objects filled with liquids, such as vases, on the apparatus.

Connect the AC power adaptor to an easily accessible AC outlet. Should you notice an abnormality in the AC power adaptor, disconnect it from the AC outlet immediately.

Do not expose the battery to excessive heat such as direct sunlight, fire or the like.

Excessive sound pressure from headphones can cause hearing loss.



Hereby, Sony Corp., declares that this equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

For details, please access the following URL :

<http://www.compliance.sony.de/>

Use of this radio equipment is not allowed in the geographical area within a radius of 20 km from the centre of Ny-Alesund, Svalbard in Norway.

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MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.



**Disposal of Old
Electrical &
Electronic
Equipment**
(Applicable in the
European Union and
other European
countries with
separate collection
systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Table Of Contents

What is Bluetooth wireless technology?	4
Welcome!	5
3 steps to Bluetooth function	6
Location and Function of Parts	7
Folding and unfolding the headset	8
Charging the unit	9
Pairing	11
What is pairing?	11
Procedures of pairing	11
Wearing the headset	13
Indications of Bluetooth function	14
Listening to music	15
Controlling the audio device – AVRCP	16
Calling	17
Controlling the Bluetooth mobile phone – HFP, HSP	19
Calling while playing back music	20
Disposing of the unit	21
Precautions	22
Troubleshooting	24
Initializing the unit	26
Specifications	27

What is Bluetooth wireless technology?

Bluetooth™ wireless technology is a short-range wireless technology that enables wireless data communication between digital devices, such as a computer or digital camera. Bluetooth wireless technology operates within a range of about 10 meters (about 30 feet). Connecting two devices as necessary is common, but some devices can be connected to multiple devices at the same time. You do not need to use a cable for connection, nor is it necessary for the devices to face one another, such as the case with infrared technology. For example, you can use such a device in a bag or pocket. Bluetooth standard is an international standard supported by thousands of companies all over the world, and employed by various companies worldwide.

Communication System and Compatible Bluetooth Profiles of this unit

Profile is standardization of the function for each Bluetooth device specification. This unit supports the following Bluetooth version and profiles:

Communication System :
Bluetooth Specification version 2.0

Compatible Bluetooth Profiles:

- A2DP (Advanced Audio Distribution Profile): Transmitting or receiving audio content of high-quality.
- AVRCP (Audio Video Remote Control Profile): Controlling A/V equipment; pausing, stopping, starting playback, volume control, etc.
- HSP (Headset Profile)*: Talking on the phone/Operating the phone.
- HFP (Hands-free Profile)*: Talking on the phone/Operating the phone by hands-free.

* When you use a Bluetooth mobile phone supported by both HFP (Hands-free Profile) and HSP (Headset Profile), set to HFP.

Notes

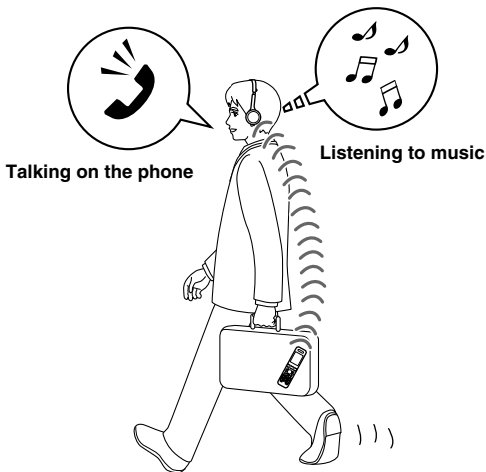
- To be able to use the Bluetooth function, the Bluetooth device to be connected requires the same profile as the unit's.
Note also that even if the same profile exists, devices may vary in function depending on their specifications.
- Due to the characteristic of Bluetooth wireless technology, the sound played on this unit is slightly delayed from the sound played on the Bluetooth device during talking on the telephone or listening to the music.

Welcome!

Thank you for purchasing this Sony Wireless Stereo Headset. This unit uses Bluetooth wireless technology.

- Enjoy music wirelessly with Bluetooth music player such as Bluetooth mobile phone, Bluetooth digital music player, or digital music player connected to the Bluetooth transmitter.*¹
- Hands-free conversation can be enjoyed on your Bluetooth mobile phone without taking it out of your bag.*²
- For convenience, you can remotely operate the basic functions of a Bluetooth music player (Play, Stop, etc.).*³
- Useful rechargeable function.
- Convenient foldable type for easy carrying.

For details on Bluetooth wireless technology, see page 4.



*¹ The connected Bluetooth device is required to support A2DP (Advanced Audio Distribution Profile).

*² The connected Bluetooth device is required to support HSP (Headset Profile) or HFP (Hands-free Profile).

*³ The connected Bluetooth device is required to support AVRCP (Audio Video Remote Control Profile).

3 steps to Bluetooth function

Pairing

First, register ("pair") a Bluetooth device (mobile phone, etc.) and this unit with each other. Once pairing is established, there is no need for pairing again.

Bluetooth
mobile phone,
etc.



Pairing



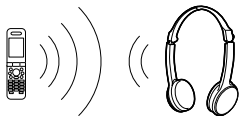
Wireless Stereo
Headset

→ Page 11

Listening to music

Bluetooth connection

Operate the Bluetooth device to make the Bluetooth connection.



Connection

A2DP

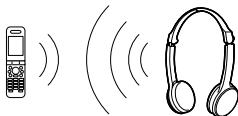
AVRCP

→ Page 15

Calling

Bluetooth connection

When the unit is turned on, the unit starts making the Bluetooth connection to the recognized mobile phone automatically.



Connection

HFP

HSP

→ Page 17 - 18

Listening to music

You can listen to music played on the Bluetooth device.

Playback, stop, or pause is possible from this unit.

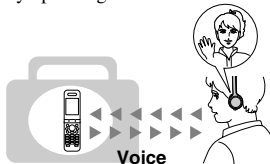


Music

→ Page 15 - 16

Talking on the phone

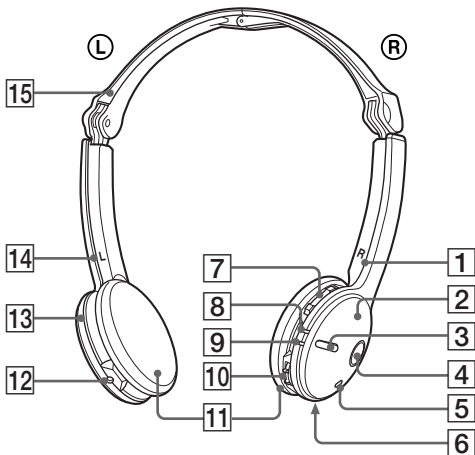
You can make and receive a call by operating this unit.



Voice

→ Page 18 - 20

Location and Function of Parts



1 **® (right) indication**

2 **Right (®) unit**

3 **Multi function button**
Controls various call functions.

4 **POWER button**

5 **Microphone**

6 **RESET button**
Push this button when this unit does not operate properly. Pairing information is not deleted by this operation.

7 **VOL (volume) +*/- buttons**

8 **Indicator (blue)**
Indicates the communication status of the unit.

9 **Indicator (red)**

Indicates the power status of the unit.

10 **Jog switch**

Controls various functions when listening to music.

11 **Ear pad**

12 **DC IN 3 V jack**

13 **Left (L) unit**

14 **L (left) indication**

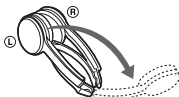
15 **Headband**

* This button has a tactile dot.

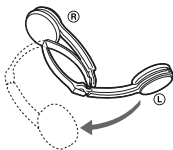
Folding and unfolding the headset

Unfolding

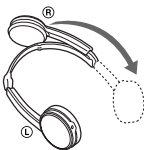
- 1 Unfold the left unit of the headband as illustrated.



- 2 Expand the center part of the headband.

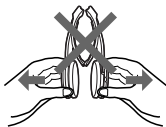


- 3 Unfold the right unit of the headband.



Notes

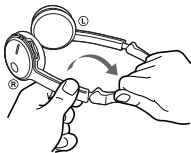
- Do not pull open this way.



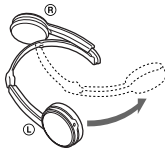
- Be careful not to hit your face or eyes with the top of the headband.

Folding

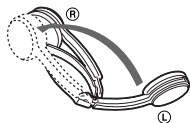
- 1 Hold near the foldable part with both hands and lift up the right unit to fold it as illustrated.



- 2 Close the center part of the headband.



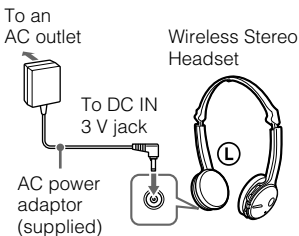
- 3 Fold the left unit of the headband.



Charging the unit

The unit contains a rechargeable Lithium-Ion battery, which should be charged before using for the first time.

1 Connect the supplied AC power adaptor to the DC IN 3 V jack on the unit.

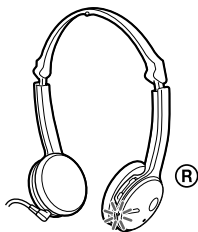


When the AC power adaptor is connected to an AC outlet, charging starts.

Tips

- If the AC power adaptor is connected to an AC outlet while the unit is turned on, the unit will be turned off automatically.
- This unit cannot be turned on while charging.

2 Make sure that indicator (red) lights up while charging.



Charging is completed in about 3 hours* and the indicator (red) goes off automatically.

* Time required for empty battery to recharge.

Caution

If this unit detects a problem while charging, the indicator (red) may turn off, although charging is not complete.

Check for the following causes:

- Ambient temperature exceeds the range of 0 °C – 40 °C (32 °F – 104 °F).
- There is a problem with the battery.

In this case, charge again within the above-mentioned temperature range. If the problem persists, consult your nearest Sony dealer.

Continued 9

Notes

- If the battery is not used for a long time, battery may be quickly depleted, however, after a few recharges, battery life will improve.
- If the life of the built-in rechargeable battery drops to half the normal length, the battery should be replaced. Consult your nearest Sony dealer for replacement of the rechargeable battery.
- Avoid exposure to temperature extremes, direct sunlight, moisture, sand, dust or mechanical shock. Never leave in a car parked in the sun.
- Use only the supplied AC power adaptor. Do not use any other AC power adaptor.

Usage hours*

Status	Approx. usage hours
Communication time (including music playback time) (up to)	11 hours
Standby time (up to)	100 hours

* Time stated above may vary, depending on ambient temperature or conditions of use.

Checking the remaining battery

When pressing the POWER button while the unit is turned on, the indicator (red) flashes. You can check the remaining battery by the number of times the indicator (red) flashes.

Indicator (red)	Status
3 times	Full
2 times	Mid
1 time	Low (needs to charge)

Note

You cannot check the remaining battery immediately after the unit is turned on, or while pairing.

When the battery is almost empty

The indicator (red) flashes slowly automatically.

When the battery becomes empty, a beep sounds and the unit will turn off automatically.

Pairing

What is pairing?

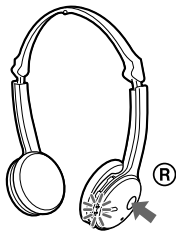
Bluetooth devices need to be “paired” with each other beforehand.

Once Bluetooth devices are paired, there is no need for pairing again, except in the following cases:

- Pairing information is deleted after repair, etc.
- This unit is paired with 9 or more devices.
This unit can be paired with up to 8 devices; if a new device is paired after 8 devices have been paired, the device whose latest connection time is the oldest among the 8 paired devices is replaced by the new one.
- When recognition of the unit by the device to be connected is deleted.
- This unit is initialized (page 26).
All pairing information is deleted.

Procedures of pairing

- 1 Place the Bluetooth device within 1 m (3 ft) of this unit.**
- 2 Press and hold the POWER button for 7 seconds or more to standby for pairing while the unit is turned off.**



Notes

- After about 3 seconds, power is turned on and the indicator (blue) and indicator (red) flash together twice. Keep the POWER button pressed without releasing. The indicator (blue) starts flashing. When both indicators start flashing together again, release the button. This unit enters into pairing mode.
- If pairing is not established within about 5 minutes, pairing mode will be cancelled and this unit will turn off. In this case, start over from step 1.

Continued 11

3 Perform pairing procedure on the Bluetooth device to detect this unit.

The list of detected devices appears on the display of the Bluetooth device. This unit is displayed as “DR-BT22.”

If “DR-BT22” is not displayed, repeat from step **1**.

Notes

- For details, refer to the operating instructions supplied with the Bluetooth device.
- When pairing with a Bluetooth device that cannot display a list of detected devices or that has no display, you may pair the device by setting both this unit and the Bluetooth device to pairing mode. At this time, if passcode is set besides “0000” on the Bluetooth device, pairing cannot be done with this unit.

4 Select “DR-BT22” on the display of the Bluetooth device.

5 If Passcode* input is required on the display of a Bluetooth device, input “0000.”

Pairing is complete when the indicator (blue) flashes slowly. The message standing for “Pairing complete” appears on the display of some Bluetooth devices.

* Passcode may be called “Passkey,” “PIN code,” “PIN number,” or “Password.”

6 Start the Bluetooth connection from the Bluetooth device.

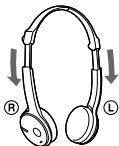
This unit memorizes the device as the last connected device. Some Bluetooth devices may connect with the unit automatically when pairing is complete.

Tips

- To pair with other Bluetooth devices, repeat steps **1** to **5** for each device.
- To delete all pairing information, see “Initializing the unit” (page 26).

Wearing the headset

- 1 **Unfold the headset according to the procedures on page 8, then extend the headset to adjust the length.**



- 2 **Put the unit with ① indication on your left ear and ② indication on your right ear, then place the headset over your head.**



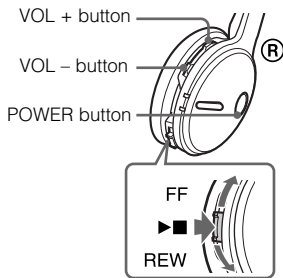
Indications of Bluetooth function

B : Indicator (blue)

R : Indicator (red)

Status		Flashing patterns	
Pairing	Searching	B	● - ● - ● - ● - ● - ● - ● - ● - ● - ...
		R	● - ● - ● - ● - ● - ● - ● - ● - ● - ...
Connecting	Connectable	B	● - - - ● - - - ● - - - ● - - - ● - - - ...
		R	-
	Connecting	B	● - - - ● - - - ● - - - ● - - - ● - - - ...
		R	● - - - ● - - - ● - - - ● - - - ● - - - ...
Connected	HFP/HSP or A2DP (standby for receiving audio signal)	B	● - - - - - - - - - - ● - - - - - ...
		R	-
	HFP/HSP and A2DP (standby for receiving audio signal)	B	● - ● - - - - - - - - - ● - ● - - - ...
		R	-
Music	Listening	B	●● - - - - - - - - - - ●● - - - - ...
		R	-
	Listening during standby for telephone call	B	●●● - - - - - - - - - - ●●● - - - - ...
		R	-
Phone	Incoming call	B	●●●●● ...
		R	-
	Talking	B	●● - - - - - - - - - - ●● - - - - ...
		R	-
	Calling while playing back music	B	●●● - - - - - - - - - - ●●● - - - - ...
		R	-

Listening to music



Check the following before operating the unit.

- The Bluetooth device is turned on.
- Pairing of this unit and the Bluetooth device is complete.
- The Bluetooth device supports the transmitting music function (profile: A2DP*).

1 Press and hold the POWER button for about 3 seconds while the unit is turned off.

The indicator (blue) and indicator (red) flash together twice and the unit is turned on.

Notes

- Do not press and hold the POWER button for more than 7 seconds, otherwise pairing mode is entered.
- After the unit is turned on, the unit attempts to connect to the last connected Bluetooth device automatically with HFP or HSP.

When not calling with this unit, do not make the last connected Bluetooth device ready for HFP or HSP connection. To make or receive a call while playing back music, see page 20.

2 Make the Bluetooth connection (A2DP) from a Bluetooth device to this unit.

Refer to the operating instructions supplied with the Bluetooth device on how to operate it.

3 Start playback on the Bluetooth device.

Tip

Bluetooth connection of A2DP (Advanced Audio Distribution Profile) can also be operated with the jog switch from this unit to the Bluetooth device except when making a call on this unit.

Notes

- When you play music by connecting the unit to a Bluetooth device using HSP (Headset Profile), sound quality will not be high. For better sound, change the Bluetooth connection to A2DP by operating the Bluetooth device.
- If this unit is turned off while an A2DP Bluetooth connection is established, operate the unit again from step 1 to make the A2DP Bluetooth connection again.

* For detail on profiles, see page 4.

To adjust the volume

Press the VOL + or – button while listening to the music.

Tips

- Depending on the connected device, it may be necessary to adjust the volume on the connected device as well.
- Volume for calling and listening to music can be adjusted independently. Even if you change the volume while calling, the volume for music playback does not change.

To stop use

1 Terminate the Bluetooth connection by operating the Bluetooth device.

2 Press and hold the POWER button for about 3 seconds.

The indicator (blue) and indicator (red) light up together, and the unit turns off.

Tip

When you finish playing music, the Bluetooth connection may terminate automatically, depending on the Bluetooth device.

Controlling the audio device – AVRCP


If the Bluetooth audio device connected with this unit supports AVRCP (Audio Video Remote Control Profile), you can control by using the unit buttons.

Refer to the operating instructions supplied with the Bluetooth device on how to operate it.

Note

Operation of the Bluetooth connecting device by this unit will vary depending on its specification.

Status: In stop or pause mode

	Short Press	Long Press
	①	②
FF / REW	③	④


① Starts playback*¹

② Stop

③ Skip to next/previous

④ Fast-forward/Fast-rewind*²

Status: In play mode

	Short Press	Long Press
	⑤	⑥
FF / REW	⑦	⑧

⑤ Pause*¹

⑥ Stop

⑦ Skip to next/previous

⑧ Fast-forward/Fast-rewind*²

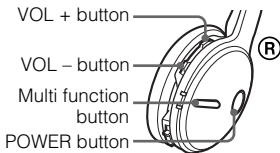
*¹ You may need to press the button twice depending on the Bluetooth device.

*² Some Bluetooth devices may not operate.

Note

You cannot adjust the volume of the Bluetooth device by the unit volume buttons.

Calling



Check the following before operating the unit.

- The Bluetooth function is active on the mobile phone.
- Pairing of this unit and the Bluetooth mobile phone is complete.

1 Press and hold the **POWER** button for about 3 seconds while the unit is turned off.

The indicator (blue) and indicator (red) flash together twice, the unit turns on and then this unit tries to connect to the last Bluetooth mobile phone that was used.

Note

Do not press and hold the POWER button for more than 7 seconds, otherwise pairing mode is entered.

Tip

This unit will stop trying to connect to the Bluetooth mobile phone after 1 minute. In such a case, press the multi function button to try to connect again.

When this unit does not connect to a Bluetooth mobile phone automatically

You can make a connection by operating Bluetooth mobile phone or by operating this unit to connect the last connected Bluetooth device.

A To make a connection by operating Bluetooth mobile phone

1 Make the Bluetooth connection (HFP or HSP*) from the Bluetooth mobile phone to this unit.

Refer to the manual supplied with your Bluetooth mobile phone for operation details. The list of recognized devices appears on the display of the Bluetooth mobile phone. This unit is displayed as "DR-BT22."

When you use the Bluetooth mobile phone features both HFP (Hands-free Profile) and HSP (Headset Profile), set to HFP.

Note

When connecting to a Bluetooth mobile phone which is different from the last connected one, make the connection following the above procedure.

* For details on profiles, see page 4.

B To make a connection with the last connected Bluetooth device by operating this unit

1 Press the multi function button.

The indicator (blue) and indicator (red) start flashing at the same time, and the unit performs the connection operation for about 5 seconds.

Note

When listening to music with this unit, a Bluetooth connection cannot be made with the multi function button.

To call

1 Use the buttons on your mobile phone when making a call.

If no dial tone is heard on this unit, press and hold the multi function button for about 2 seconds.

Tip

You can call in the following way, depending on the Bluetooth mobile phone. Refer to the manual supplied with your mobile phone on operating details.

- When not communicating, you can call using the voice-dial function by pressing the multi function button.
- You can call the last dialed number by pressing the multi function button for about 2 seconds.

To receive a call

When an incoming call arrives, a ring tone will be heard from the unit.

1 Press the multi function button on the unit.

The ring tone differs in the following ways, depending on your mobile phone.

- ring tone set on the unit
- ring tone set on the mobile phone
- ring tone set on the mobile phone only for Bluetooth connection

Note

If you received a call by pressing the button on the Bluetooth mobile phone, some Bluetooth mobile phones may have handset use priority. In this case, set to talk with the unit by pressing and holding the multi function button for about 2 seconds, or by operating the Bluetooth mobile phone. For details, refer to the manual supplied with your Bluetooth mobile phone.

To adjust the volume

Press the VOL + or – button.

Tips

- You cannot adjust the volume when not communicating.
- Volume for calling and listening to music can be adjusted independently. Even if you change the volume while playing back the music, the volume of a call does not change.

To terminate a call

You can end a call by pressing the multi function button on the unit.

To stop use

1 Terminate Bluetooth connection by the Bluetooth mobile phone.

2 Press and hold the POWER button for about 3 seconds to turn off the power.

The indicator (blue) and indicator (red) light up together, and the unit turns off.

Controlling the Bluetooth mobile phone – HFP, HSP

The operation of the buttons on this unit varies depending on your mobile phone.

HFP (Hands-free Profile) or HSP (Headset Profile) is used for Bluetooth mobile phone. Refer to the operating instructions supplied with your Bluetooth mobile phone on supported Bluetooth profiles or how to operate.

HFP (Hands-free Profile)

Status	Multi function button	
	Short Press	Long Press
Standby	Start Voice Dial* ¹	Last number redial
Voice Dial active	Cancel Voice Dial* ¹	–
Outgoing call	End outgoing call	–
Incoming call	Answer	Reject
During call	End call	Change call device

HSP (Headset Profile)

Status	Multi function button	
	Short Press	Long Press
Standby	–	Dial* ¹
Outgoing call	End outgoing call* ¹	End outgoing call or change call device to headset* ²
Incoming call	Answer	–
During call	End call* ³	Change call device to headset

- *¹ Some functions may not be supported depending on the Bluetooth mobile phone. Refer to the operating instructions supplied with your mobile phone.
- *² This may vary, depending on the Bluetooth mobile phone.
- *³ Some functions may not be supported when calling using the Bluetooth mobile phone.

Calling while playing back music

The Bluetooth connection using HFP or HSP as well as A2DP is necessary to make a call while playing back music.

For example, to make a call using a Bluetooth mobile phone while listening to music on a Bluetooth compatible music player, this unit needs to be connected to the mobile phone using HFP or HSP.

Make a Bluetooth connection between this unit and the device in use following the procedures outlined below.

- 1 Make a Bluetooth connection between this unit and the mobile phone in use with HFP or HSP following the procedures outlined in “Calling” (see page 17).**
- 2 Operate the Bluetooth device (music player or mobile phone) used for playing the music to make a Bluetooth connection to this unit using A2DP.**

To make a call while playing back music

- 1 Press the multi function button while playing back music (page 19), or operate your Bluetooth mobile phone to make a telephone call.**

If no dial tone is heard on this unit, press and hold the multi function button for about 2 seconds.

To receive a call while playing back music

When an incoming call arrives, the music pauses and the ring tone is heard from this unit.

- 1 Press the multi function button and talk.**

After finishing the call, press the multi function button. This unit is switched back to music playback.

When no ring tone is heard even if an incoming call arrives

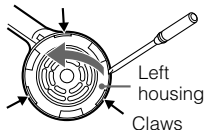
- 1 Stop music playback.**
- 2 When ringing, press the multi function button and talk.**

Disposing of the unit

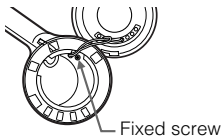
This unit has a Lithium-Ion rechargeable battery built in the left unit. For environmental conservation, be sure to remove the built-in rechargeable battery from the unit before disposing, and dispose of the battery appropriately.

1 Remove the ear pad on the left unit, and then detach the left unit.

The unit is fixed with claws (3 places). As illustrated, insert an object such as flathead screwdriver into the gap and lift up the unit to detach it.



2 Remove the screw which fixes the external cover.

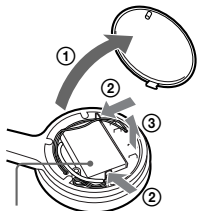


3 Open the external cover and remove the inside circuit board.

- ① The external cover can be detached by hand.
- ② The circuit board is fixed with claws (2 places). Push

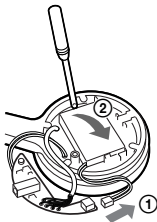
the claws in the arrow direction as illustrated to remove the circuit board.

- ③ Lift the circuit board and detach.



4 Pull out the connector and remove the rechargeable battery.

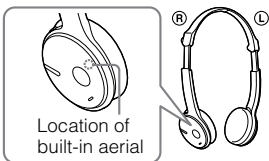
The rechargeable battery is fixed with adhesive tape. Insert an object such as flathead screwdriver and lift up the battery to remove it.



Precautions

On Bluetooth communication

- Bluetooth wireless technology operates within a range of about 10 meters (about 30 feet). Maximum communication range may vary depending on obstacles (person, metal, wall, etc.) or electromagnetic environment.
- The aerial of this unit is built into the right unit as illustrated in the dotted line. The sensitivity of Bluetooth communication will improve by placing a connected Bluetooth device on your right side. The communication distance shortens when the obstacles are between the aerial of the connected device and this unit.



- The following conditions may affect the sensitivity of Bluetooth communication.
 - There is an obstacle such as a person, metal, or wall between this unit and Bluetooth device.
 - A device using 2.4 GHz frequency, such as a wireless LAN device, cordless telephone, or microwave oven, is in use near this unit.
- Because Bluetooth devices and wireless LAN (IEEE802.11b/g) use the same frequency, microwave interference may occur and resulting in communication speed deterioration, noise, or invalid connection if this unit is used near a wireless LAN device. In such as case, perform the following.
 - Use this unit at least 10 m (about 30 ft) away from the wireless LAN device.
- If this unit is used within 10 m (about 30 ft) of a wireless LAN device, turn off the wireless LAN device.
- Install this unit and Bluetooth device as near to each other as possible.
- Microwaves emitting from a Bluetooth device may affect the operation of electronic medical devices. Turn off this unit and other Bluetooth devices in the following locations, as it may cause an accident.
 - where inflammable gas is present, in a hospital, train, airplane, or a petrol station
 - near automatic doors or a fire alarm
- This unit supports security capabilities that comply with the Bluetooth standard to provide a secure connection when the Bluetooth wireless technology is used, but security may not be enough depending on the setting. Be careful when communicating using Bluetooth wireless technology.
- We do not take any responsibility for the leakage of information during Bluetooth communication.
- Connection with all Bluetooth devices cannot be guaranteed.
 - A device featuring Bluetooth function is required to conform to the Bluetooth standard specified by Bluetooth SIG, and be authenticated.
 - Even if the connected device conforms to the above mentioned Bluetooth standard, some devices may not be connected or work correctly, depending on the features or specifications of the device.
 - While talking on the phone hands free, noise may occur, depending on the device or communication environment.
- Depending on the device to be connected, it may require some time to start communication.

On the supplied AC power adaptor

- Use the AC power adaptor supplied with this unit. Do not use any other AC power adaptor since it may cause the unit to malfunction.



Polarity of the plug

- If you are not going to use this unit for a long time, unplug the AC power adaptor from the AC outlet. To remove the AC power adaptor from the wall outlet, grasp the adaptor plug itself; never pull the cord.

Others

- Do not place this unit in a place exposed to humidity, dust, soot or steam, subject to direct sunlight, or in a car waiting at a traffic signal. It may cause a malfunction.
- Be careful not to pinch your fingers when folding the headset.
- Using the Bluetooth device may not function on mobile phones, depending on radio wave conditions and location where the equipment is being used.
- If you experience discomfort after using the Bluetooth device, stop using the Bluetooth device immediately. Should any problem persist, consult your nearest Sony dealer.
- Listening with this unit at high volume may affect your hearing. For traffic safety, do not use this unit while driving or cycling.
- Do not put weight or pressure on this unit as it may cause the unit to deform during long storage.

- The ear pads are consumable. They may deteriorate due to long-term storage or use. Replace with new ones if they are damaged.
- If you have any questions or problems concerning this unit that are not covered in this manual, please consult your nearest Sony dealer.

Troubleshooting

If you run into any problems using this unit, use the following checklist and read the product support information on our website.

Should any problem persist, consult your nearest Sony dealer.

Common

The unit is not turned on.

- ➔ Charge the battery of the unit.
- ➔ The unit is not turned on while charging. Unplug the unit from AC power adaptor and then turn on the unit.

Pairing cannot be done.

- ➔ Bring this unit and the Bluetooth device closer together.

Cannot make the Bluetooth connection.

- ➔ Check that this unit is turned on.
- ➔ Check that the Bluetooth connecting device is turned on and the Bluetooth function is on.
- ➔ Connection with the Bluetooth device may not be memorized on this unit. Make the Bluetooth connection from the Bluetooth device to this unit soon after pairing is complete.
- ➔ This unit or Bluetooth connecting device is in sleep mode.
- ➔ The Bluetooth connection is terminated. Make the Bluetooth connection again (when listening to music: see page 15, when calling: see page 17).

Distorted sound

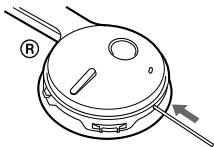
- ➔ Ensure that this unit is not receiving interference from a wireless LAN, other 2.4 GHz wireless device, or microwave oven.

The correspondence distance is short. (Sound skips.)

- ➔ If a device that generates electromagnetic radiation, such as a wireless LAN, other Bluetooth device(s), or a microwave oven is nearby, move away from such sources.

The unit does not operate properly.

- ➔ Reset the unit. Pairing information is not deleted by this operation. Insert a small pin, etc., into the hole, and push until you feel a click.



When listening to music

No sound

- ➔ Check that both this unit and the Bluetooth device are turned on.
- ➔ A2DP Bluetooth connection is not made between this unit and the Bluetooth device. Make an A2DP Bluetooth connection (page 15).
- ➔ Check that music is being played back by the Bluetooth device.

- ➔ Check that the volume of the unit is not set too low.
- ➔ Turn up the volume on the connected device if necessary.
- ➔ Pair this unit and Bluetooth device again (page 11).

Low sound level

- ➔ Turn up the volume of this unit.
- ➔ Turn up the volume on the connected device if necessary.

Low sound quality

- ➔ Switch the Bluetooth connection to A2DP (Advanced Audio Distribution Profile) when HSP (Headset Profile) is set.

Cannot make the Bluetooth connection from Bluetooth device to this unit.

- ➔ The Bluetooth device is not equipped with SCMS-T content protection*. With the unit turned off, press and hold POWER and ►■ for about 7 seconds to deactivate the SCMS-T protection. The indicator (blue) flashes once.

* The SCMS-T content protection method is one of the methods to protect the contents transmitted on the Bluetooth wireless technology. This unit can receive the contents protected by this method. Press and hold the POWER button and ►■ again for about 7 seconds to reactivate the SCMS-T content protection method on this unit. The indicator (blue) flashes twice.

Sound skips frequently during playback.

- ➔ Reception condition of this unit may have become unstable due to improper matching of the bit-rate setting for the music transmitted from the Bluetooth device and the environment in which this unit is used. *¹

Terminate A2DP Bluetooth connection by operating the Bluetooth device. While this unit is turned on, press and hold ►■ for about 7 seconds to lower the setting of receivable bit rate. *²

*¹ Bit rate is a numerical value which represents data transmission volume per second. The higher the bit rate, in general, the better quality the sound will be. This unit can receive high bit rate music but sound skipping may occur depending on the usage environment.

*² When bit rate setting is completed, the indicator (blue) flashes once. The above operations may not reduce the sound skip depending on the usage environment. To reset to the original setting, press and hold ►■ again for about 7 seconds. The indicator (blue) flashes twice.

When calling

The recipient's voice cannot be heard.

- ➔ Check that both this unit and the Bluetooth mobile phone are turned on.
- ➔ Check the connection between this unit and the Bluetooth mobile phone. Make a Bluetooth connection (HFP or HSP) again (page 17).
- ➔ Check that output of the Bluetooth mobile phone is set for this unit.
- ➔ Check that the volume of the unit is not set too low.
- ➔ Turn up the volume on the connected Bluetooth mobile phone if necessary.
- ➔ If you are listening to music using this unit, stop playback, press the multi function button and talk.

Low sound from recipient

- ➔ Turn up the volume of this unit.
- ➔ Turn up the volume on the connected Bluetooth mobile phone if necessary.

Initializing the unit

You can reset this unit to its default (such as volume setting) and delete all pairing information.

- 1 If this unit is turned on, press and hold the POWER button for about 3 seconds to turn off this unit.**
- 2 Press and hold the POWER button and multi function button together for about 7 seconds.**

The indicator (blue) and indicator (red) flash together four times, and this unit is reset to the default setting. All pairing information is deleted.

Specifications

General

Communication System

Bluetooth Specification version 2.0

Output

Bluetooth Specification Power Class 2

Maximum communication range

Line of sight approx. 10 m (30 ft) *¹

Frequency band

2.4 GHz band (2.4000 GHz – 2.4835 GHz)

Modulation method

FHSS

Compatible Bluetooth Profiles*²

A2DP (Advanced Audio Distribution Profile)

AVRCP (Audio Video Remote Control Profile)

HSP (Headset Profile)

HFP (Hands-free Profile)

Supported Codecs*³

SBC*⁴, MP3

Supported content protection method

SCMS-T

Transmission range (A2DP)

20 - 20,000 Hz (Sampling frequency 44.1 kHz)

Supplied accessory

AC power adaptor (1)

Operating instructions (this book) (1)

*¹ The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, reception sensitivity, aerial's performance, operating system, software application, etc.

*² Bluetooth standard profiles indicate the purpose of Bluetooth communication between devices.

*³ Codec: Audio signal compression and conversion format

*⁴ Subband Codec

Headset

Power source

DC 3.7 V: Built-in lithium-ion rechargeable battery

Mass

Approx. 78 g (2.8 oz)

Rated power consumption

1.5 W

Receiver

Type

Open air, dynamic

Driver unit

30 mm dome type

Reproduction frequency range

14 – 24,000 Hz

Microphone

Type

Omni directional, electret condenser

Effective frequency range

100 – 4,000 Hz

Design and specifications are subject to change without notice.

<http://www.sony.net/>

Printed in Malaysia



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