

Bluetooth™ Audio Kit

Operating Instructions



WLA-NWB1K

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 earphones and 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.

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.

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Features

This product is an audio kit comprising of a Bluetooth transmitter and headset using Bluetooth® wireless technology.

You can enjoy music wirelessly by transmitting the audio signals to a headset by connecting the Bluetooth transmitter to a Walkman with the WM-PORT*¹ (22 pin).

You can also enjoy music by combining the Bluetooth headset with another Bluetooth transmitting device (mobile phone, PC, etc.)*².

*¹ WM-PORT is a dedicated multiple connector for connecting accessories to your Walkman.

*² Bluetooth receiving devices are required to support A2DP (Advanced Audio Distribution Profile).

This product's features are as follows:

- Can send the audio signals wirelessly with the transmitter and receive with the headset, using Bluetooth wireless technology.
- Can be used with any Walkman with a WM-PORT (22 pin).
- AVRCP (Audio/Video Remote Control Profile) supported
 - Allows basic operation (playback, stop, etc.) of a Walkman by Bluetooth headset
 - Allows volume control (+/-) operation of Bluetooth speaker*³, etc., by a Walkman
- *³ AVRCP (Vol +/-) compatibility required
- No need to charge the Bluetooth transmitter; receives power from Walkman.



Tip

For details on Bluetooth technology, see page 27.

For details on available Bluetooth devices, access the following URL:

Europe: <http://www.sonydigital-link.com/DNA/>

Latin America: <http://www.sony-latin.com/index.crp>

Checking supplied items

- Bluetooth headset (1)



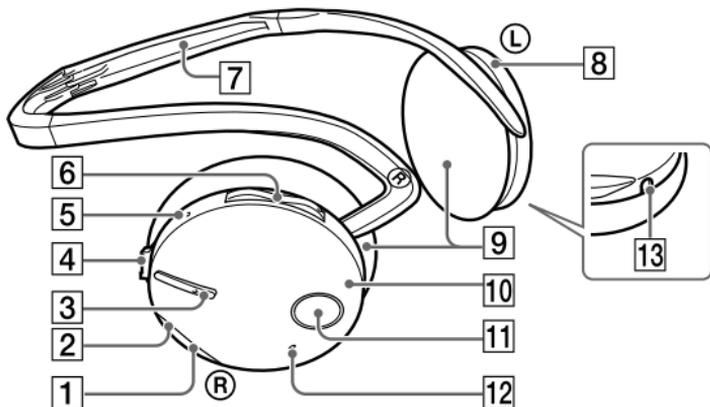
- Bluetooth transmitter (1)



- AC power adaptor (1)
- Operating Instructions (1)
- Warranty Card (1)

Location and Function of Parts

Bluetooth headset



1 Headset indicator (blue)

Indicates the communication status of the headset.

2 Headset indicator (red)

Indicates the power status of the headset.

3 Multi function button

Controls various functions when calling with a headset by combining with a Bluetooth mobile phone. Press the button on the tactile dots.

4 Jog switch

Controls various functions when listening to music with a headset.

5 RESET button

Push this button when the headset does not operate properly. Pairing information is not deleted by this operation.

6 VOL (volume) +/- buttons

7 Neckband

8 Left housing (L)

9 Ear pad

10 Right housing (R)

11 POWER button

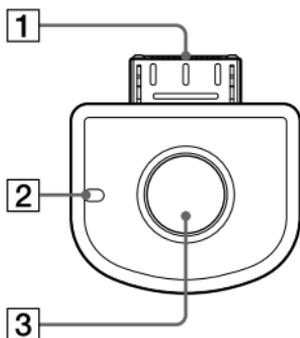
12 Microphone

13 DC IN 3 V jack

* This button has a tactile dot.

Bluetooth transmitter

Front



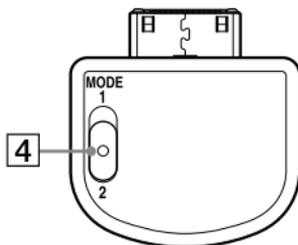
1 WM-PORT (22 pin)

Connects to the WM-PORT of a Walkman (page 13).

2 Transmitter indicator

Indicates the transmitter's status.

Rear



3 Power button

Performs the following:

- Turning on/off of the transmitter (page 13).
- Pairing (page 17).
- Initializing the transmitter (page 33).

4 MODE switch

Selects the transmission mode by sliding the switch to 1 or 2 (page 15).

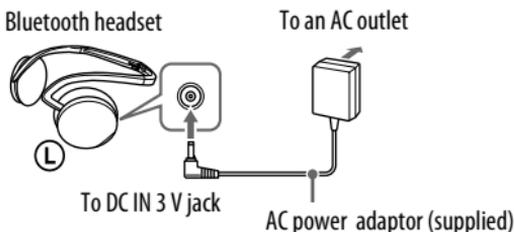
Hereafter, "Bluetooth headset" is abbreviated as "headset," and "Bluetooth transmitter" as "transmitter."

Basic use of headset

Charging the headset

The headset 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 headset.**



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

Tip

If the AC power adaptor is connected to an AC outlet while the headset is turned on, the headset will be turned off automatically.

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



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

* Time required for empty battery to recharge.

Caution

If the headset detects a problem while charging, the headset 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.

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.

Battery 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 the headset.

Checking the remaining battery

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

Headset 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 headset is turned on, or while pairing.

When the battery is almost empty

The headset indicator (red) flashes slowly automatically.

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

Wearing

1 Place the neckband on the neck.

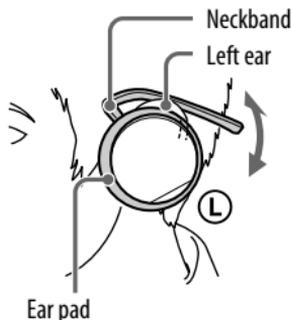
The headset with the POWER button is the right housing (for the right ear).



2 Lift up the headset slightly above the ear level, put down the neckband so that it hooks on your ears and put the ear pads on your ears.



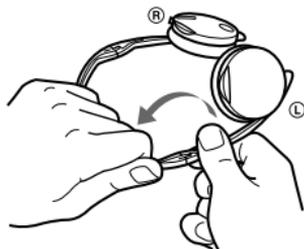
3 Adjust the angle and position of the neckband so that the headset is fitted comfortably on your ears.



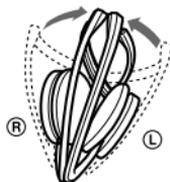
Folding

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

Fold the right housing in the same manner.

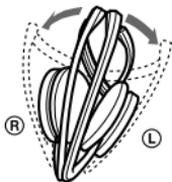


- 2 Close the folded left and right neckband.



Unfolding

- 1 Unfold the left and right neckband as illustrated.



- 2 Lift up and open up the remaining half of the neckband.



Notes

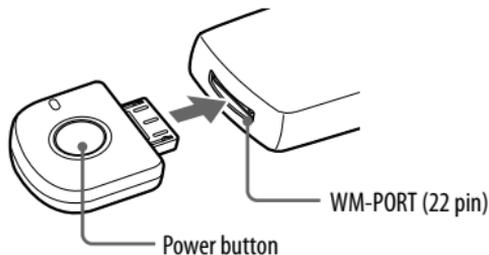
- Do not pull open this way.



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

Connecting to a Walkman

Connect the transmitter to the WM-PORT of a Walkman firmly.



To turn on the transmitter

Connect the transmitter to the Walkman, then the power of the transmitter will turn on automatically. If the power of the transmitter is off while the transmitter is connected to the Walkman, press and hold the transmitter's power button for about 2 seconds to turn it on. When the transmitter turns on, the transmitter indicator flashes twice.

To turn off the transmitter

To turn off the transmitter, press and hold the transmitter's power button for about 2 seconds. The transmitter indicator flashes once and the transmitter turns off.

Tip

Maximum communication time or standby time may vary depending on your Walkman. For details, access the following URL:

Europe: <http://www.sonydigital-link.com/DNA/>

Latin America: <http://www.sony-latin.com/index.crp>

Notes

- To listen to music from the headphone jack of the Walkman, disconnect the transmitter from the Walkman.
- While the transmitter is turned on, it consumes power from the Walkman. We recommend turning off the transmitter when not using the Bluetooth function.
- If you turn off the transmitter while the Walkman is playing back, playback will stop.
- There is no need to charge the transmitter as it will receive power from the connected Walkman. It is recommended to check the Walkman's remaining battery before using.
- Depending on the Walkman model, you may not be able to connect the headphone to it when the transmitter is connected to the Walkman.

Listening to music of the Walkman

You can listen to music of the Walkman on the headset.

- 1 Press and hold the POWER button on the headset for about 3 seconds.**

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

- 2 Connect the transmitter to the Walkman then turn on the Walkman.**

The transmitter indicator status will vary as follows, and the Bluetooth connection between the transmitter and the headset is established.

Transmitter indicator flashes twice: Power is on



Transmitter indicator flashes (at about 1-second intervals):
Connecting in process



Transmitter indicator flashes twice: Connecting successful



Indicator flashes slowly (at about 5-second intervals):
Connecting

If the Bluetooth connection is not established within 5 minutes, the transmitter automatically turns itself off. In this case, turn it on again by pressing and holding the power button on the transmitter for about 2 seconds.

Note

If you want to establish the Bluetooth connection with a Bluetooth device that is paired before either of the last two devices recognized, turn on the unit and establish the Bluetooth connection from the Bluetooth device while the unit's indicator flashes slowly from 10 to 13 times (for about 10-13 seconds). If the problem persists, pair the devices again.

3 Start playback on the Walkman connected to the transmitter.

The music of the Walkman is played back on the headset.

Tip

You can control the volume on the headset. You can also fast-forward or fast-rewind while playing back (page 16).

Notes

- Depending on your Walkman, when it is in Sleep status, you may need to keep pressing the play button in order to start playback.
- Even if you control the volume on the Walkman, sound from the headset will not change. If the Bluetooth receiving device is supported by AVRCP (Vol +/-), you can control its volume.
- When this transmitter establishes the Bluetooth connection with the Walkman, AVLS (Automatic Volume Limiter System) is deactivated and beep sounds are not emitted.
- If the transmitter and the headset become out of range and the Bluetooth connection terminates, repeat the procedure from step 1. Note, however, that if the transmitter and the headset come into connectable range again within about 10 minutes, the Bluetooth connection will be reestablished automatically.
- To listen to an FM broadcast received by a Walkman with a built-in FM tuner through the headset, make sure to connect the Walkman's headphones, as its cord works as an antenna, otherwise FM signals cannot be received.
- If the recording level of audio data on the Walkman is too high, the output sound quality from the headset, may not meet the user customized settings, e.g., "Equalizer" etc.
- Playback through a Bluetooth connection may cause noise, sound break, or playback speed change depending on the location and the usage (page 27).

About the MODE switch on transmitter

You can select the sound quality or wireless communication stability preferentially.

MODE 1: Sound quality takes priority.

MODE 2: Reception stability takes priority.

Notes

- When you set the MODE switch to MODE 1, and experience sound breaks, set to MODE 2.
- Sound break may occur depending on your Bluetooth receiving device when switching between MODE 1 and 2.

Controlling a Walkman with the headset

You can control a Walkman using the control button of the headset.

Before starting remote control operation, check that step 1 and 2 of “Listening to music of the Walkman” are completed (page 14).



Control for the Walkman

You can playback or stop the Walkman by pressing the **▶■** button.

Control music

You can skip forward or backward each song on the Walkman by pressing the **◀◀/▶▶** button. You can also fast-forward or fast-rewind songs by holding down the **◀◀/▶▶** button.

Tip

When you turn off your Walkman, the Bluetooth connection enters standby mode. When in this mode, you can turn on your Walkman by operating the headset.

Notes

- You may not be able to control the Walkman by the remote control depending on the state of the Walkman.
- Even if you control the volume on the Walkman, the volume of the headset, does not change.
- When operating the Walkman by remote control, do not cover the transmitter with your hands, etc.

Do not cover the transmitter with hands.



Pairing with other Bluetooth devices

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 product is paired with 9 or more receiving devices.
This product can be paired with up to 8 Bluetooth device respectively. If a new device is paired after 8 devices have been paired, the device with the oldest connection time among the 8 paired devices is replaced by the new one.
- This product is initialized.
All pairing information is deleted (page 33).

Pairing transmitter with other Bluetooth receiving devices

- 1 Connect the transmitter to the Walkman (page 13).**
The power of the transmitter turns on.
- 2 Press and hold the power button of the transmitter for about 2 seconds to turn it off.**
- 3 Place the transmitter and the Bluetooth receiving device to be paired together within 1 m.**
- 4 Set the Bluetooth receiving device to enter “Pairing in process.”**
(See the operating instructions supplied with the Bluetooth receiving device.)

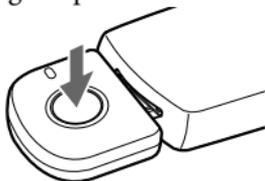
Note

Passcode* of the transmitter is fixed at “0000.” Depending on the Bluetooth receiving device, it may be necessary to input the passcode (in this case, “0000”). The transmitter cannot be paired with a Bluetooth receiving device whose passcode is not “0000.”

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

5 Press and hold the power button of the transmitter for more than about 7 seconds to enter “Pairing in process.”

After about 2 seconds, the transmitter indicator will flash twice, but keep pressing the power button.



When the transmitter indicator flashes quickly, stop pressing.

The transmitter enters “Pairing in process.”

The transmitter indicator status will vary as follows, and pairing is established with the Bluetooth receiving device.

The transmitter indicator flashes quickly: Pairing in process



The transmitter indicator flashes when responding to the Bluetooth receiving device: Pairing successful



The transmitter indicator flashes (at about 5-second intervals): Connectable

Notes

- “Pairing in process” of the transmitter is released after about 5 minutes. If pairing is not established within about 5 minutes, repeat the above procedure from step 4.
- To enter “Pairing in process,” you need to turn off the power of the transmitter first.

When not completed pairing

Repeat the procedure from step 2.

To quit “Pairing in process”

Press and hold the power button of the transmitter for about 2 seconds to turn off the transmitter.

Tip

When pairing the transmitter with a number of Bluetooth receiving devices, repeat steps 2 to 5 for each device individually.

Notes

- Depending on the Bluetooth receiving device, the transmitter may not enter “Connectable” automatically. In this case, see the operating instructions supplied with the device.
- For using the Bluetooth function, it is required that the Bluetooth device on the other side is corresponding with the same profile as the transmitter. However, even if it is corresponding with the same profile, functions may differ depending on the specification of the Bluetooth device.

Remote control for the Bluetooth receiving device by the Walkman.

You can control the Bluetooth receiving device using the control button of the Walkman.



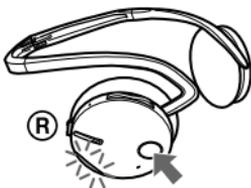
Notes

- When operating the Walkman as the Bluetooth receiving devices remote control, point the transmitter toward the Bluetooth receiving device.
- You may not be able to change the volume by the remote control from the Walkman depending on your Bluetooth receiving device.



Pairing headset with other Bluetooth transmitting devices

- 1 Place the Bluetooth transmitting device to be paired together within 1 m of the headset.**
- 2 Press and hold the POWER button of the headset for about 7 seconds or more to enter “Pairing in process.”**



Release the POWER button when the headset indicator starts flashing quickly. The headset enters the pairing process.

- 3 Turning Bluetooth transmitting device to pairing standby mode.**

(See the operating instructions supplied with the Bluetooth transmitting device.)

The list of detected devices appears on the display of the Bluetooth transmitting device.

The headset is displayed as “DR-BT21G.”

This headset indicator status will vary as follows, and pairing is established with the Bluetooth transmitting device.

The headset indicator flashes quickly: Pairing in process



The headset indicator flashes when responding to the Bluetooth transmitting device: Pairing successful



The headset indicator flashes (at about 5-second intervals): Connectable

Note

Passcode* of the headset is fixed at “0000.” Depending on the Bluetooth receiving device, it may be necessary to input the passcode (in this case, “0000”). The headset cannot be paired with a Bluetooth receiving device whose passcode is not “0000.”

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

When not completed pairing

Repeat the procedure from step 2.

To quit “Pairing in process”

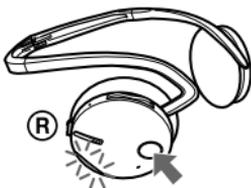
Press and hold the power button of the transmitter for about 2 seconds to turn off the transmitter.

Note

For using the Bluetooth function, it is required that the Bluetooth device on the other side is corresponding with the same profile as the headset. However, even if it is corresponding with the same profile, the function may differ depending on the specification of the Bluetooth device.

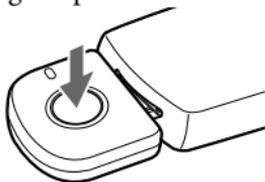
Re-pairing the transmitter and the headset

- 1 Connect the transmitter to the Walkman (page 13).**
The power of the transmitter turns on.
- 2 Press and hold the power button of the transmitter for about 2 seconds to turn it off.**
- 3 Place the transmitter and the headset to be paired together within 1 m.**
- 4 Press and hold the POWER button of the headset for more than about 7 seconds to enter “Pairing in process.”**
After about 3 seconds, the headset indicator (red) and the headset indicator (blue) will flash twice, but keep pressing the POWER button.



Release the POWER button when the headset indicator starts flashing quickly. The headset enters the pairing process.

- 5 Press and hold the power button of the transmitter for about 7 seconds or more to enter “Pairing in process.”**
After about 2 seconds, the transmitter indicator will flash twice, but keep pressing the power button.



Notes

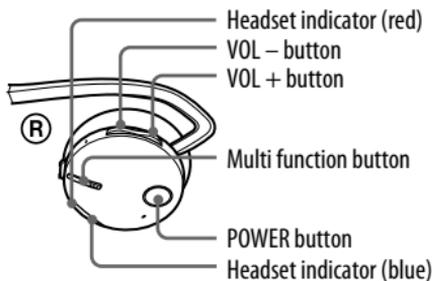
- “Pairing in process” is released after about 5 minutes. If pairing is not established within about 5 minutes, repeat the above procedure from step 1.
- To enter “Pairing in process,” you need to turn off the power of the transmitter first.

Calling with headset

Preparation for calling (Bluetooth connection)

Check the following before operating the headset.

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



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

The headset indicator (blue) and headset indicator (red) flash together twice, the headset turns on and then the headset 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

The headset 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.

To adjust the volume

Press the VOL + or - button.

💡 Tips

- You cannot adjust the volume when not communicating.
- Volume level for calling and listening to music can be set independently.

To receive a call

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

1 Press the multi function button on the headset.

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

- ring tone set on the headset
- 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 headset use priority. In this case, set to talk with the headset 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 call

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

If no dial tone is heard on the headset, 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 dialled number by pressing the multi function button for about 2 seconds.

To terminate a call

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

Controlling the Bluetooth mobile phone – HFP, HSP

The operation of the buttons on the headset 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)

Bluetooth mobile phone Status	Multi function button	
	Short Press	Long Press
Standby	Start Voice Dial	Last number redial
Voice Dial active	Cancel Voice Dial	—
Outgoing call	End outgoing call	—
Incoming call	Answer	Reject
During call	End call	Change active Bluetooth connection device to headset

HSP (Headset Profile)

Bluetooth mobile phone Status	Multi function button	
	Short Press	Long Press
Standby	—	Dial*1
Outgoing call	End outgoing call	End outgoing call or change active Bluetooth connection device to headset*2
Incoming call	Answer	—
During call	End call*3	Change active Bluetooth connection device to headset

*1 Some functions may not be supported depending on the Bluetooth 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, the headset needs to be connected to the mobile phone using HFP or HSP.

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

- 1 Make a Bluetooth connection between the headset and the mobile phone in use with HFP or HSP following the procedures outlined in “Calling with headset” (page 23).**
- 2 Make a Bluetooth connection between the transmitter and the headset (page 14).**

To make a call while playing back music

- 1 Press the multi function button while playing back music (page 25), or operate your Bluetooth mobile phone to make a telephone call.**

If no dial tone is heard on the headset, 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 the headset.

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

After finishing the call, press the multi function button. The headset 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.**

What is Bluetooth 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. You do not need to use a cable for connection since Bluetooth technology is a wireless technology, nor is it necessary for the devices to face one another, such is the case with infrared technology. For example, you can use such a device in a bag or pocket. Bluetooth technology is an international standard supported by thousands of companies all over the world, and employed by various companies worldwide.

Communication System and Compatible Bluetooth Profile of this product

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

Communication System: Bluetooth Specification version 2.0

Compatible Bluetooth Profile:

- A2DP (Advanced Audio Distribution Profile)
- AVRCP (Audio/Video Remote Control Profile)

(The following two profiles are headset only.)

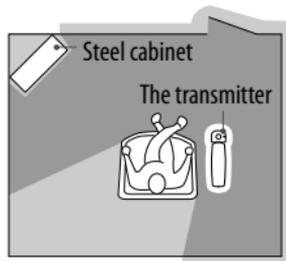
- **HSP (Headset Profile)*: Talking on the phone/Operating the phone.**
- **HFP (Hands-free Profile)*: Talking on the phone/Operating the phone by hands-free.**

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

Precautions

On Bluetooth communication

- Bluetooth wireless technology operates within a range of about 10 meters. Maximum communication range may vary depending on obstacles (person, metal, wall, etc.) or electromagnetic environment.



- Optimal performance
 - Limited performance
- The following conditions may cause noise, sound break or playback speed change.
 - When using inside the metal bag.
 - When using inside the backpack or shoulder bag.
 - A device using 2.4 GHz frequency, such as a wireless LAN device, cordless telephone, or microwave oven, is in use near this product.
 - Because Bluetooth devices and wireless LAN (IEEE802.11 b/g) use the same frequency, microwave interference may occur and resulting in communication speed deterioration, noise, or invalid connection if this product is used near a wireless LAN device. In such a case, perform the following.
 - Install this product and Bluetooth device as near to each other as possible.

- If this product is used within about 10 meters of a wireless LAN device, turn off the wireless LAN device.
- Due to the characteristic of Bluetooth wireless technology, the sound played on the headset is slightly delayed from the sound played on the Walkman.
- We do not take any responsibility for 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.
- Depending on the device to be connected, communication may take some time.

On safety

- Do not drop, hit, or otherwise expose the product to strong shock of any kind. This could damage the product.
- Do not disassemble or attempt to open any parts of the product.

On placement

- Do not place the product in any of the following locations.
 - Direct sunlight, near a heater, or other extremely high-temperature location
 - Dusty location
 - An unsteady or inclined surface
 - Location exposed to large amounts of vibration
 - Bathroom or other high-humidity location
 - In a car subject to the direct rays of the sun

Note on using in a car

Do not attempt to connect this product, or to operate this product, an audio output device or a car radio while driving or waiting at a traffic signal.

Cleaning

Clean the product with a soft, dry cloth, or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of solvent, such as alcohol or benzene, which may damage the finish.

On the supplied AC power adaptor

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



Polarity of the plug

- If you are not going to use the AC power adaptor for a long time, unplug it 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 product 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 product at high volume may affect your hearing. For traffic safety, do not use this product while driving or cycling.
- Do not put weight or pressure on this product as it may cause the product 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 product that are not covered in this manual, please consult your nearest Sony dealer.

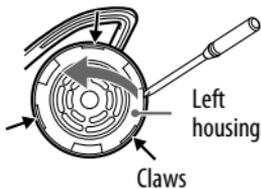
Disposing of the headset

The headset has a Lithium-ion rechargeable battery built in the left housing.

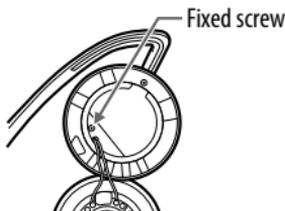
For environmental conservation, be sure to remove the built-in rechargeable batteries from the headset before disposing, and dispose of the batteries appropriately.

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

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



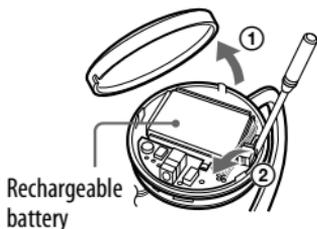
2 Remove the screw which fixes the external cover.



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

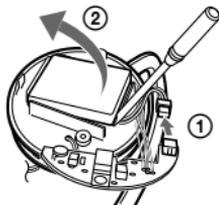
① The external cover is fixed with claws (3 places). Insert an object such as flathead screwdriver into the gap and detach the cover.

② The circuit board is fixed with a claw. As illustrated, insert an object such as flathead screwdriver into the gap at the connector to lift up the circuit board to remove it.



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.



Troubleshooting

If you run into any problem using this product, disconnect the transmitter from the Walkman, then reconnect it after a while (reset). Furthermore, reset the headset. (For details on how to reset, see “Cause/Remedy” of “The headset does not operate properly.”) Also check the following list. Should any problem persist, consult your nearest Sony dealer.

Symptom	Cause / Remedy
The transmitter is not turned on. (Or turns off shortly after turning on.)	<ul style="list-style-type: none">→ Press and hold the transmitter's power button for about 2 seconds.→ Check the remaining battery of the Walkman. If the remaining battery is not enough, charge the Walkman.
The headset is not turned on.	<ul style="list-style-type: none">→ Charge the battery of the headset.→ The headset is not turned on while charging. Unplug the headset from AC power adaptor and then turn on the headset.
No sound	<ul style="list-style-type: none">→ Check the connection between the transmitter and the Walkman.→ Check that both the transmitter and the headset are turned on.→ Ensure that the transmitter is not too far from the headset, or this product is not receiving interference from a wireless LAN, other 2.4 GHz wireless device, or microwave oven.→ Pair the transmitter and the headset again (page 22).→ Check that music is being played back by the Walkman.→ Check that the volume of the headset is not set too low.
Low sound level	<ul style="list-style-type: none">→ Turn up the volume of the headset as high as possible to the extent that sound is not distorted.
Cannot change the volume.	<ul style="list-style-type: none">→ Change the volume on the headset.
Distorted sound	<ul style="list-style-type: none">→ Turn down the volume of the headset to the point where the sound is no longer distorted.→ Ensure that this product is not receiving interference from a wireless LAN, other 2.4 GHz wireless device, or microwave oven.

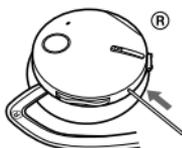
Symptom**Cause / Remedy**

Sound break, noise or playback speed change.

- Set the transmitter's MODE switch to MODE 2.
- 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.
- Remove any obstacle between the transmitter and the headset or move away from the obstacle.
- Locate the transmitter and the headset as near as possible.
- Re-position or re-orient the transmitter and the headset.

The headset does not operate properly.

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



Pairing cannot be established.

- Locate the transmitter and the headset as near as possible.
- Check if you input correct passcode of the transmitter (page 17).
- Check if you input correct passcode of the headset (page 20).

Bluetooth connection cannot be established with a device that has been "paired" before.

- This unit tries to connect with either of the last two devices recognized before. If you want to establish the Bluetooth connection with a Bluetooth device that is paired before either of the last two devices recognized, turn on the unit and establish the Bluetooth connection from the Bluetooth device while the unit's indicator flashes slowly from 10 to 13 times (for about 10-13 seconds). If the problem persists, pair the devices again.
- Pairing information may be deleted. Pair the device again.

Cannot make the Bluetooth connection.

- Check that this product is turned on.
- The Bluetooth connection is terminated. Make the Bluetooth connection again.

Cannot make the Bluetooth connection from your mobile phone to the headset.

- Press the multi function button of the headset. (The Bluetooth connection is unavailable during music playback on the headset.)
 - Perform the Bluetooth connection with the Bluetooth compatible mobile phone. (For details on how to operate the Bluetooth compatible mobile phone, see the operating instructions supplied with it.)
-

Initializing

Initializing the transmitter

You can reset the transmitter to its default and delete all pairing information.

- 1 Connect the transmitter to the Walkman while pressing and holding the power button on the transmitter.**
- 2 Continue to press and hold the power button for more than about 15 seconds.**

The transmitter indicator flashes 4 times, and the transmitter is reset to the default setting. All pairing information is deleted.

Initializing the headset

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

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

The headset indicator (blue) and the headset indicator (red) flash together four times, and the headset 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*¹

Frequency band

2.4 GHz band (2.4000 GHz – 2.4835 GHz)

Modulation method

FHSS

Transmission range (A2DP)

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

Transmitter

Compatible Bluetooth Profile*²

A2DP (Advanced Audio Distribution Profile)

AVRCP (Audio/Video Remote Control Profile)

Supported Codex*³

SBC*⁴

Terminals

WM-PORT (22 pin)

Dimensions

Approx. 28.1 × 29.1 × 7.8 mm (w/h/d)
(including protruding parts)

Mass

Approx. 5 g

Headset

Compatible Bluetooth Profile*²

A2DP (Advanced Audio Distribution Profile)

AVRCP (Audio/Video Remote Control Profile)

HSP (Headset Profile)

HFP (Hands-free Profile)

Supported Codex*³

SBC*⁴, MP3

Power source

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

Mass

Approx. 63 g

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

Supplied accessories

AC power adaptor(1)

Operating instructions (1)

Warranty Card (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

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

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