

# ***Wireless Stereo Headset***

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Operating Instructions



***DR-BT22iK***

## 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.

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Other trademarks and trade names are those of their respective owners.

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.

## Compatible iPod models

The compatible iPod models are as follows. Update your iPod to use the latest software before you use it.



iPod nano 2nd generation (aluminium)



iPod 5th generation (video)



iPod nano 1st generation



iPod 4th generation (color display)



iPod 4th generation



iPod mini 1st generation

## Notes

- This Bluetooth transmitter is designed for iPod only. You cannot connect any other portable audio players.
- Sony cannot accept responsibility in the event that data recorded to iPod is lost or damaged when using an iPod connected to this Bluetooth transmitter.



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# 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 is 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 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.

### Notes

- To be able to use the Bluetooth function, the Bluetooth device to be connected requires the same profile as this product'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 product is slightly delayed from the sound played on the Bluetooth device during listening to the music or talking on the telephone.

# Features

This product is an audio kit comprising of a 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 iPod (see page 3 for compatible iPod models) with the iPod connector\* (30 pin).

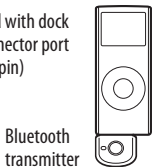
\* iPod connector is a dedicated multiple connector for connecting accessories to your iPod.

This product's features are as follows:

- Wireless headset and transmitter for streaming of high-quality stereo music from iPod.
- Transmits music to headset using Bluetooth wireless technology.
- Headset and transmitter have been pre-paired for easy connection and use.
- Comfortable and lightweight headset ideal for music listening.
- Basic remote control operation (play, pause, etc.) of iPod functions by included headset via Bluetooth connection.
- Transmitter power supplied from iPod so no additional battery or charging is needed (for transmitter only).
- You can enjoy listening to music wirelessly by using the transmitter and the headset separately to be used together with other Bluetooth devices\*.

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

iPod with dock connector port (30 pin)



Bluetooth transmitter



Bluetooth headset

## Tip

For details on Bluetooth wireless technology, see page 6.

## Checking supplied items

- Bluetooth headset DR-BT22 (1)



- Bluetooth transmitter TMR-BT8iP (1)

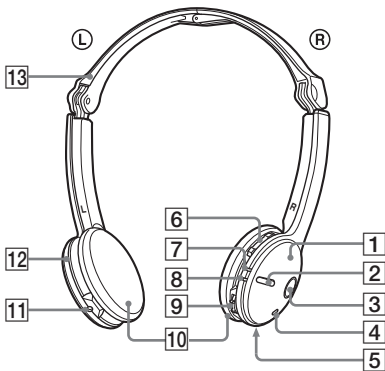


- AC power adaptor (1)
- Operating Instructions (this book) (1)
- Warranty Card (1)



# Location and Function of Parts

## Bluetooth headset



**1 Right housing (R)**

**2 Multi function button**

Controls various functions when calling with a headset by combining with a Bluetooth mobile phone.

**3 POWER button**

**4 Microphone**

**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 Headset indicator (blue)**

Indicates the communication status of the headset.

**8 Headset indicator (red)**

Indicates the power status of the headset.

**9 Jog switch**

Controls various functions when listening to music with a headset.

**10 Ear pad**

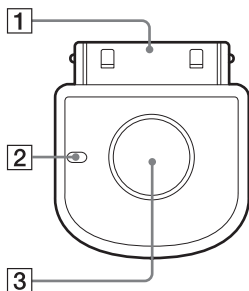
**11 DC IN 3 V jack**

**12 Left housing (L)**

**13 Headband**

\* This button has a tactile dot.

## Bluetooth transmitter



### **1 iPod connector (30 pin)**

Connects to the dock connector of an iPod (page 16).

### **2 Transmitter indicator**

Indicates the transmitter's status (page 23).

### **3 Power button**

Performs the following:

- Turning on/off of the transmitter (page 16).
- Pairing (page 21).
- Initializing the transmitter (page 41).

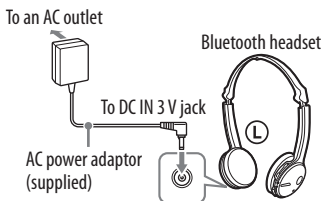
Hereafter, "Bluetooth headset" is abbreviated as "headset," and "Bluetooth transmitter" as "transmitter."

# 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.

#### Tips

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

### 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.

Continued 

## 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.

## 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.

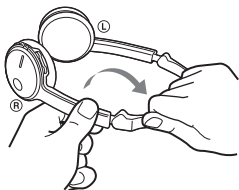
### When the battery is almost empty

The headset indicator (red) flashes slowly automatically.

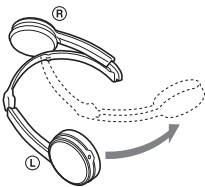
When the battery becomes empty, a beep sounds and the headset will turn off automatically.

## Folding

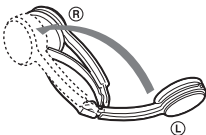
- 1 Hold near the foldable part with both hands and lift up the right housing to fold it as illustrated.



- 2 Close the center part of the headband.

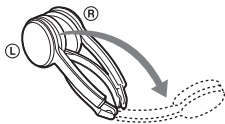


- 3 Fold the left housing of the headband.

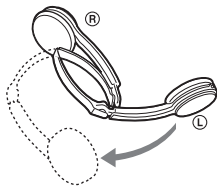


## Unfolding

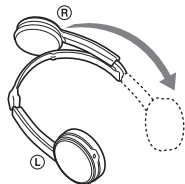
- 1 Unfold the left housing of the headband as illustrated.



- 2 Expand the center part of the headband.

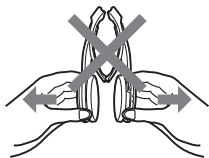


- 3 Unfold the right housing of the headband.



## Notes

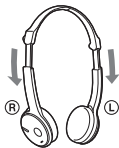
- Do not pull open this way.



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

## Wearing

- 1 **Unfold the headset according to the procedures on page 14, then extend the headset to adjust the length.**



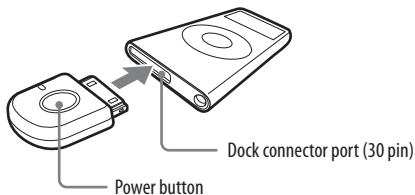
- 2 **Put the housing with (L) indication on your left ear and (R) indication on your right ear, then place the headset over your head.**



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## Connecting to an iPod

Connect the transmitter to the dock connector port of an iPod (see page 3 for compatible iPod models) firmly.



### To turn on the transmitter

- 1 Connect the transmitter to the iPod.**
- 2 Press the power button of the transmitter for about 1 second to turn it on, or start to play back on iPod.**

When the transmitter turns on, the indicator flashes twice.

### Note

If the transmitter cannot turn on, operate the iPod.

### To turn off the transmitter

To turn off the transmitter, press and hold the transmitter's power button for about 1 second. The transmitter indicator flashes once and the transmitter turns off.

### Tip

Maximum communication time or standby time may vary depending on your iPod.



## Notes

- To listen to music from the headphone jack of the iPod, disconnect the transmitter from the iPod.
- While the transmitter is turned on, it consumes power from the iPod. We recommend disconnect the transmitter from iPod when not using the Bluetooth function.
- If the headphone is connected to the iPod while the iPod is playing back, it consumes power from iPod.
- If you turn off the transmitter while the iPod is playing back, iPod will power off.
- It is not recommended to turn off iPod as the linkage will lost between the transmitter and the Bluetooth receiving device.
- There is no need to charge the transmitter as it will receive power from the connected iPod. It is recommended to check the iPod's remaining battery before using.

## Listening to music of the iPod

You can listen to music of the iPod (see page 3 for compatible iPod models) 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 iPod then turn on the iPod and start playback on the iPod.

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 slowly (at about 5-second intervals): Connected (Playback will start automatically)

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 1 second.

\* iPod backlight may turn on in this 5 minutes.

#### Notes

- If the Bluetooth connection cannot be established with the headset paired already, try pairing again (page 27).
- If playback cannot start automatically, try start playback on iPod.
- If you press and hold the power button on the transmitter for about 1 second, the transmitter will connect to the iPod and start playback automatically.

## Tip

You can control the volume on the headset. (The volume of the iPod is not changed.) You can also fast-forward or fast-rewind while playing back (page 20).

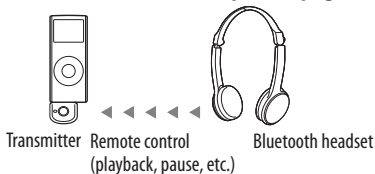
## Notes

- Even if you control the volume on the iPod, sound from the headset will not change.
- If the transmitter and the headset become out of range and the Bluetooth connection terminates, repeat the procedure from step 1.
- Playback through a Bluetooth connection may cause noise, sound break, or playback speed change depending on the location and the usage (page 34).

# Controlling an iPod with the headset

You can control an iPod (see page 3 for compatible iPod models) using the control button of the headset.

**Before starting remote control operation, check that step 1 and 2 of "Listening to music of the iPod" are completed (page 18).**



## Control for the iPod

You can playback or pause the iPod by pressing the **▶■** button on the headset.

You can turn off the iPod and transmitter by pressing and holding the **▶■** button on the headset for more than 2 seconds.

## Control music

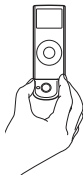
You can skip forward or backward each song on the iPod by pressing the **◀◀/▶▶** button. You can also fast-forward or fast-rewind songs by holding down the **◀◀/▶▶** button.

## Notes

- Even if you control the volume on the iPod, the volume of the headset does not change.
- When operating the iPod by remote control, do not cover the transmitter with your hands, etc.
- You may need to press the play/pause button twice depending on the Bluetooth receiving device.
- You may need to press the play/pause button of the Bluetooth receiving device twice when you operate the button on the iPod.
- Operation of the iPod with the transmitter by the Bluetooth receiving device will vary depending on the Bluetooth receiving device's specification.

## Tip

When you press the pause button on the Bluetooth receiving device, the iPod goes to pause mode for 10 minutes and the iPod backlight is turns on and off at interval.



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 whose latest connection time is the oldest among the 8 paired devices is replaced by the new one.
- This product is initialized.  
All pairing information is deleted (page 41).

### Pairing transmitter with other Bluetooth receiving devices

- 1 Turn on the power of iPod.**  
(Make sure the iPod is in pause mode.)
- 2 Connect the transmitter to the iPod (page 16).**
- 3 Place the transmitter and the Bluetooth receiving device to be paired together within 1 m (3 ft).**
- 4 Set the Bluetooth receiving device to enter “Pairing in process.”**  
See the operating instructions supplied with the Bluetooth receiving device.

#### Notes

- Passcode\* of the transmitter is fixed at “0000”, “1234”, or “8888.” Depending on the Bluetooth receiving device, it may be necessary to input the passcode (in this case, “0000”, “1234”, or “8888”). The transmitter cannot be paired with a Bluetooth receiving device whose passcode is not “0000”, “1234”, or “8888.”
- If the Bluetooth receiving device requires a passcode, input “0000.”

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

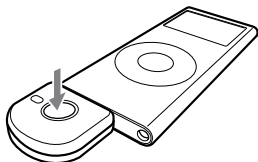
**Continued** 

## 5 Press and hold the power button of the transmitter for about 7 seconds or more to enter "Pairing in process."

After about 1 second, the transmitter indicator will flash twice, but keep pressing the power button.

### Notes

- When first power on the transmitter after initialized, the transmitter will enter "Pairing in process" automatically.
- The pairing information is initialized if you press and hold the power button for 15 seconds. The transmitter indicator lights up for 5 seconds before the initialization starts. Release the button immediately when the transmitter indicator lights up.



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 (at about 1-second intervals) when responding to the Bluetooth receiving device: Connectable (Pairing successful)



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

### 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. iPod backlight may turn on in this 5 minutes.
- 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 1 second to turn off the transmitter.









## Tip


When pairing the transmitter with a number of Bluetooth receiving devices, repeat steps **3** to **5** for each device individually.

## 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 transmitter. However, even if it is corresponding with the same profile, functions may differ depending on the specification of the Bluetooth device.

## On Transmitter Indicators

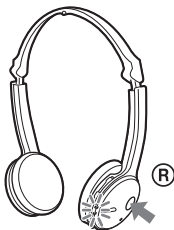
Status	Indicator
Power on	Flashes twice 
Power off	Flashes once 
Pairing	Flashes quickly 
Connecting	Flashes (at about 1-second intervals) 
Connected	Listening <sup>*1</sup> (flashes twice at about 5-second intervals) 
	With no music <sup>*2</sup> (flashes once at about 5-second intervals) 

<sup>\*1</sup> When press  on the iPod, the music pause. The indicator flashes twice on the transmitter. The transmitter transmits the data of no sound.

<sup>\*2</sup> When press the pause button on the Bluetooth receiving device, the music pause. The indicator flashes once on the transmitter. The transmitter does not transmit the music.

## Pairing headset with other Bluetooth transmitting devices

- 1 Place the Bluetooth transmitting device to be paired together within 1 m (3 ft) of the headset.**
- 2 Press and hold the POWER button of the headset for about 7 seconds or more to enter "Pairing in process" while the headset is turned off.**



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-BT22."

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 (at about 1-second intervals) when responding to the Bluetooth transmitting device: Connectable (Pairing successful)



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



**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 headset for about 3 seconds to turn off the headset.

**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.

## On Headset Indicators

**B** : Headset indicator (blue)

**R** : Headset indicator (red)

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

## Re-pairing the transmitter and the headset

- 1 Turn on the power of iPod.**  
(Make sure the iPod is in pause mode.)
- 2 Connect the transmitter to the iPod (page 16).**
- 3 Place the transmitter and the headset to be paired together within 1 m (3 ft).**
- 4 Press and hold the POWER button of the headset for about 7 seconds or more to enter "Pairing in process" while the headset is turned off.**

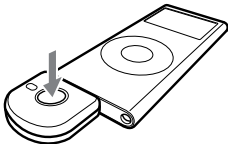
After about 3 seconds, the headset indicator (red) and the headset indicator (blue) will flash twice, but keep pressing the POWER button.



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 1 second, the transmitter indicator will flash twice, but keep pressing the power button.



Continued 

## Notes

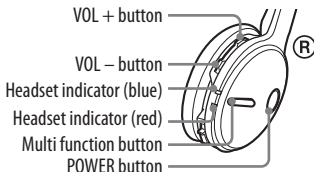
- When first power on the transmitter after initialized, the transmitter will enter “Pairing in process” automatically.
- The pairing information is initialized if you press and hold the power button for 15 seconds. The transmitter indicator lights up for 5 seconds before the initialization starts. Release the button immediately when the transmitter indicator lights up.
- “Pairing in process” is released after about 5 minutes. If pairing is not established within about 5 minutes, repeat the above procedure from step 4. iPod backlight may turn on in this 5 minutes.
- 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.

## When the headset does not connect to a Bluetooth mobile phone automatically

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

Continued 

## **A To make a connection by operating Bluetooth mobile phone**

### **1 Make the Bluetooth connection (HFP or HSP\*) from the Bluetooth mobile phone to the headset.**

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. The headset 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 6.

## **B To make a connection with the last connected Bluetooth device by operating the headset**

### **1 Press the multi function button.**

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

#### **Note**

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

## **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. Even if you change the volume while playing back the music, the volume of a call does not change.

## 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 handset 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* <sup>1</sup>	Last number redial
Voice Dial active	Cancel Voice Dial* <sup>1</sup>	—
Outgoing call	End outgoing call	—
Incoming call	Answer	Reject
During call	End call	Change call device

### HSP (Headset Profile)

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

\*<sup>1</sup> Some functions may not be supported depending on the Bluetooth mobile phone. Refer to the operating instructions supplied with your mobile phone.

\*<sup>2</sup> This may vary, depending on the Bluetooth mobile phone.

\*<sup>3</sup> Some functions may not be supported when calling using the Bluetooth mobile phone.



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## 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 29).**
- 2 Make a Bluetooth connection between the transmitter and the headset (page 18).**

**To make a call while playing back music**

- 1 Press the multi function button while playing back music (page 32), 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.

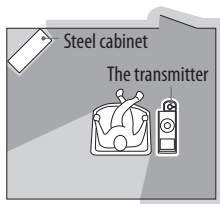
**When no ring tone is heard even if an incoming call arrives**

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

# Precautions

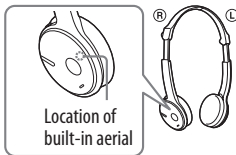
## On Bluetooth communication

- Bluetooth wireless technology operates within a range of about 10 meters (about 30 feet). Maximum communication range may vary depending on obstacles (human body, metal, wall, etc.) or electromagnetic environment.



- Optimal performance
- Limited performance

- The aerial of the headset is built into the right housing as illustrated in the dotted line.



The aerial of the transmitter is shown as illustrated in the dotted line.



Location of built-in aerial

The sensitivity of the Bluetooth communication will improve by turning the direction of the built-in aerial to the connected Bluetooth device.

The communication distance shortens when the obstacles are between the aerial of the connected device and this product.

- 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 (about 30 feet) of a wireless LAN device, turn off the wireless LAN device.
- 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 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, Inc. 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

- 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.

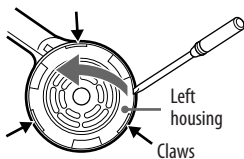
# Disposing of the headset

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

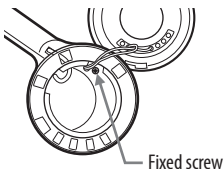
For environmental conservation, be sure to remove the built-in rechargeable batteries from the headset before disposing, and dispose of the battery appropriately.

## 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.

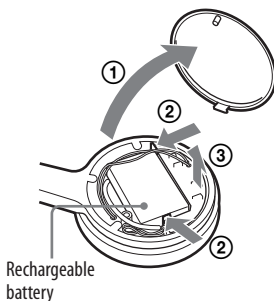


## 2 Remove the screw which fixes the external cover.



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

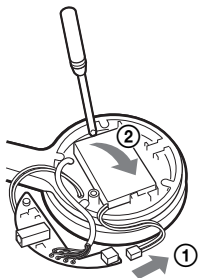
- ① The external cover can be detached by hand.
- ② The circuit board is fixed with claws (2 places). Push the claws in the arrow direction as illustrated to remove the circuit board.
- ③ Lift the circuit board and detach.



Continued 

#### 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 problems using this product, use the following checklist and read the product support information on our website. 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"><li>→ Press and hold the transmitter's power button for about 1 second.</li><li>→ Check the remaining battery of the iPod. If the remaining battery is not enough, charge the iPod.</li><li>→ Reset your iPod.</li><li>→ If your iPod have no content, add some content to your iPod.</li></ul>
The headset is not turned on.	<ul style="list-style-type: none"><li>→ Charge the battery of the headset.</li><li>→ The headset is not turned on while charging. Unplug the headset from AC power adaptor and then turn on the headset.</li></ul>
No sound	<ul style="list-style-type: none"><li>→ Check the connection between the transmitter and the iPod.</li><li>→ Check that both the transmitter and the headset are turned on.</li><li>→ 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.</li><li>→ Pair the transmitter and the headset again (page 27).</li><li>→ Check that music is being played back by the iPod.</li><li>→ Check that the volume of the headset is not set too low.</li></ul>
Low sound level	<ul style="list-style-type: none"><li>→ Turn up the volume of the headset as high as possible to the extent that sound is not distorted.</li></ul>
Cannot change the volume.	<ul style="list-style-type: none"><li>→ Change the volume on the headset.</li></ul>
Distorted sound	<ul style="list-style-type: none"><li>→ Turn down the volume of the headset to the point where the sound is no longer distorted.</li><li>→ Ensure that this product is not receiving interference from a wireless LAN, other 2.4 GHz wireless device, or microwave oven.</li><li>→ Turn off the EQ of iPod.</li></ul>

Continued 

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**Symptom****Cause / Remedy**

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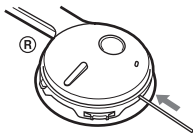
Sound break, noise or playback speed change.

- 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.

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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, and push until you feel a click.



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Pairing cannot be established.

- Locate the transmitter and the headset as near as possible.
- Check if you input correct passcode of the transmitter (page 21).
- Check if you input correct passcode of the headset (page 25).

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

- Locate the transmitter and other Bluetooth device(s) as near as possible.
- 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.)
-



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# Initializing

## Initializing the transmitter

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

- 1 Connect the transmitter to the iPod.**
- 2 Press and hold the power button for more than about 15 seconds.**

During these 15 seconds, the transmitter indicator changes in sequence as follows:

- flash (at about 1 second intervals) for about 5 seconds
- flash quickly for about 5 seconds
- lights up for about 5 seconds
- flash 4 times

Then, the transmitter is reset to default setting and all pairing information is deleted.

### Note

Do not operate your iPod while initializing the transmitter.

## 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

### 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

### Transmission range (A2DP)

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

## Transmitter

### Communication System

Bluetooth Specification Version 2.0 +  
EDR \*2

### Compatible Bluetooth Profiles\*3

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

### Supported Codec\*4

SBC\*5

### Terminal

iPod connector (30 pin)

### Operating temperature

0 °C to 35 °C (32 °F to 95 °F)

### Dimensions

Approx. 31 × 28 × 8 mm  
(1<sup>1</sup>/<sub>4</sub> × 1<sup>1</sup>/<sub>8</sub> × 1<sup>1</sup>/<sub>32</sub> in) (w/h/d)  
(including protruding parts)

### Mass

Approx. 5 g (0.2 oz)

## Headset

### Communication System

Bluetooth Specification version 2.0

### Compatible Bluetooth Profiles\*3

A2DP (Advanced Audio Distribution  
Profile)  
AVRCP (Audio/Video Remote  
Control Profile)  
HSP (Headset Profile)  
HFP (Hands-free Profile)

### Supported Codecs\*4

SBC\*5, MP3

### Supported content protection method

SCMS-T

### 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

\*<sup>1</sup> 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.

\*<sup>2</sup> Enhanced Data Rate

\*<sup>3</sup> Bluetooth standard profiles indicate the purpose of Bluetooth communication between devices.

\*<sup>4</sup> Codec: Audio signal compression and conversion format

\*<sup>5</sup> Subband Codec

Design and specifications are subject to change without notice.

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

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