

Bluetooth® Earset System

Operating Instructions
Manual de instrucciones

DR-BT1K



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

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English

Owner's Record

The model and serial number are located at the rear of the Bluetooth earset and at the belt clip of the Bluetooth earset adaptor.

Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. DR-BT1K

Bluetooth earset : DR-BT1

Bluetooth earset adaptor : DRC-BT1

Serial No.

Bluetooth earset: _____

Bluetooth earset adaptor: _____

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

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

Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Note :

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This equipment has very low levels of RF energy that it is deemed to comply without testing of specific absorption ratio (SAR).

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For the customers in the USA

- Recycling of battery in Bluetooth earset

RECYCLING LITHIUM-ION BATTERIES

Lithium-Ion batteries are recyclable. You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit <http://www.rbrcc.org/>

Caution:
Do not handle damaged or leaking Lithium-Ion batteries.



-Recycling of battery in Bluetooth earset adaptor

RECYCLING NICKEL METAL HYDRIDE BATTERIES

Nickel Metal Hydride batteries are recyclable. You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit <http://www.rbrcc.org/>

Caution:
Do not handle damaged or leaking Nickel Metal Hydride batteries.



Welcome!

Thank you for purchasing the Sony DR-BT1K Bluetooth earset system. Before operating the unit, please read this manual thoroughly and retain it for future reference.

Some features are:

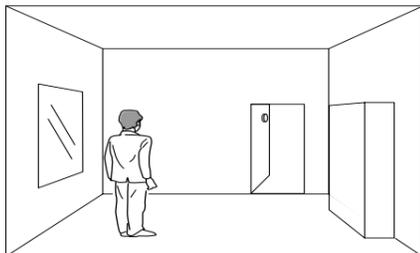
- Wireless system that allows you to talk by mobile phone.
- Car Air-vent clip for car use.
- Fits on either your right or left ear.
- Convenient earset adaptor with belt clip
- Up to 5 hours for talking. Up to 100hours for standby.
- Flexible pipe microphone.
- Volume control function on the earset.

What's Bluetooth?

Bluetooth is a new technology that enables wireless data communication by mobile phones, computers or other mobile devices.

Bluetooth wireless technology operates within a range of about 10 meters* (about 30 feet).

* Obstacles (body, metal, wall etc.) or reception conditions may adversely affect the usable range.



Notes

- The communication with Bluetooth wireless technology may be affected by the conditions below.
 - Obstacles between the Bluetooth earset and the Bluetooth earset adaptor or mobile phones with Bluetooth wireless technology
 - : Body, metal, walls, etc.
 - Electromagnetic waves
 - : A place where a wireless LAN is installed, a microwave oven is used, or where electromagnetic energy exists
- The above is also subject to the mobile phone's antenna and reception conditions.

Getting started

Unpacking

Check that you have the following items:

- Bluetooth earset (1)



- Hanger (Size S) (1)



- Bluetooth earset adaptor (1)



- AC power adaptor (1)

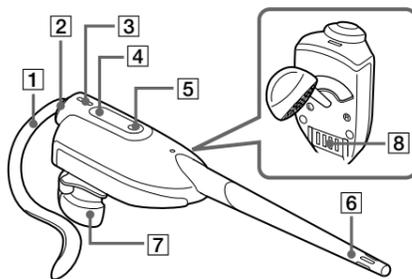


- Car Air-vent clip (1)



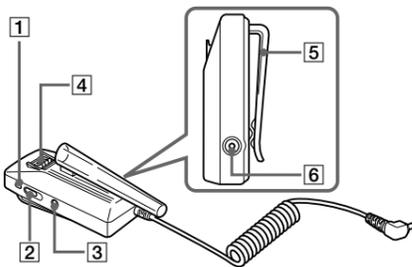
- Warranty (1)
- Operating Instructions (1)

Identifying Bluetooth earset



- 1 Hanger
- 2 Multifunction button
Controls various functions of the Bluetooth earset.
- 3 LED indicator
Indicates the status of the Bluetooth earset.
- 4 VOLUME +
- 5 VOLUME -
- 6 Pipe microphone
- 7 Housing
- 8 Contact terminal

Bluetooth earset adaptor

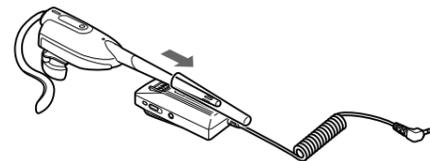


- 1 LED indicator
Indicates the status of the Bluetooth earset adaptor.
- 2 Power on button
- 3 Pairing / Power off button
- 4 Contact pin
- 5 Belt clip
- 6 DC IN 4.5 V jack

Charging the units

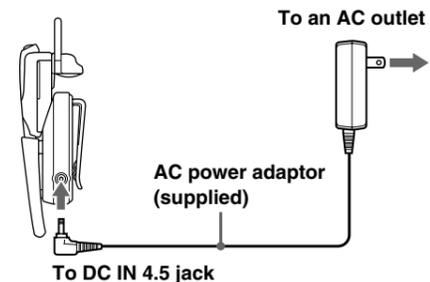
The Bluetooth earset contains a rechargeable Lithium-Ion battery and the Bluetooth earset adaptor contains a Nickel-Metal Hydride battery, which should be charged before using for the first time.

- 1 Dock the Bluetooth earset with the Bluetooth earset adaptor.



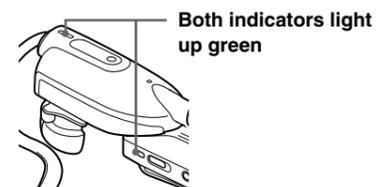
- 2 Connect the supplied AC power adaptor to DC IN 4.5 V jack on the Bluetooth earset adaptor.

When the AC power adaptor connected to an AC outlet, both units will turn off automatically.



- 3 Make sure that the indicator lights up green.

Charging is completed in about 2.5 hours* and the indicator goes off.



* Time required to fully charge empty battery.

Notes

- Charge in an environmental temperature of between 0°C and 40°C (between 32°F and 104°F).
- 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.



Polarity of the plug

Recommended accessory

Car Multi-Voltage DC Adaptor : DCC-E345
Buy Sony Accessories at URL : <http://www.sony.com/sonyaccessories> or call 1-888-559-7669 (SONY)

Charging and usage hours

It is usage time from fully charged.

	Bluetooth earset <DR-BT1>	Bluetooth earset adaptor <DRC-BT1>
Talk time (up to)	7 hours	5 hours
Standby time (up to)	160 hours	100 hours

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

Note

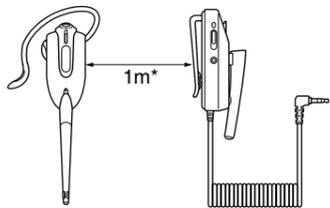
Charge the built-in rechargeable battery or if the LED indicator is still off after charging the built-in rechargeable battery, take the Bluetooth earset and Bluetooth earset adaptor to a Sony dealer for replacement of the rechargeable battery.

Pairing the units

To pair Bluetooth earset with Bluetooth earset adaptor

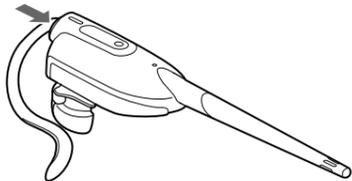
The Bluetooth earset and Bluetooth earset adaptor come already paired from factory. To pair the Bluetooth earset and Bluetooth earset adaptor again after use, do the following.

- 1 Place the Bluetooth earset and the Bluetooth earset adaptor close together, as illustrated.



- 2 While the Bluetooth earset is turned off, hold down the Multifunction button.

The LED will blink in blue for the first 7 seconds (approx.). Keep pressing until the LED blinks blue and green.



- 3 Press the Power on button on the Bluetooth earset adaptor.



- 4 Hold down the Pairing / Power off button with the point of the plug or similar instrument (for about 3 seconds) until the LED lights up blue and green.



After a few seconds, both units the blue/green blinking will change to blink only blue, indicating Standby mode.

Note

Time out for pairing mode is as follows:
The Bluetooth earset : about 60 seconds.
The Bluetooth earset adaptor : about 20 seconds.

To pair Bluetooth earset with a mobile phone for Bluetooth wireless technology

The Bluetooth earset can pair directly a mobile phone with Bluetooth wireless technology. Do the following.

- 1 Place the Bluetooth earset and the mobile phone close together within 1 m.
- 2 Repeat above step 2.
- 3 Search the Bluetooth earset by the mobile phone.
- 4 Select "DR-BT1" in the list, then input the passkey* (0000).

After a few seconds, the setting is completed.

* Passkey may also be called the following.
- Pass code, PIN code, PIN number, Password.

Note

Refer to the manual supplied with your mobile phone.

Operating the system

Wearing the headset

- 1 Hook the Bluetooth earset around your ear, as you would glasses.



- 2 Adjust the position of the Bluetooth earset to fit comfortably.

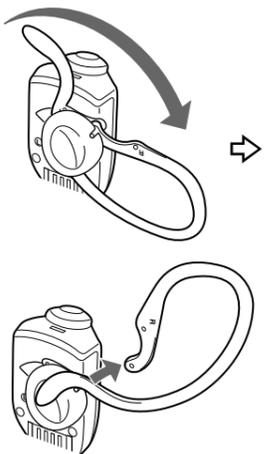
Changing the direction of the hanger

This unit can be worn on the right or left ear by the following procedure.

- 1 Holding the housing firmly, unlatch the hanger assembly.

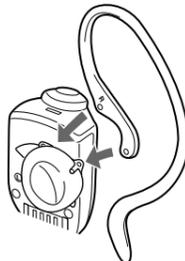


- 2 Holding the housing, rotate the hanger, and then pull out in the direction of the arrow.

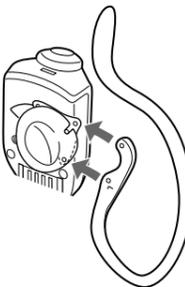


Tip

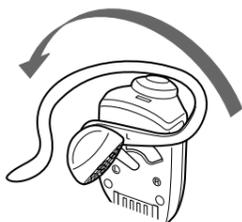
The unit comes with 2 hanger sizes to ensure a comfortable fit.



- 3 Turn the hanger around as illustrated below, and attach in the direction of the arrow.



- 4 Rotate the housing.

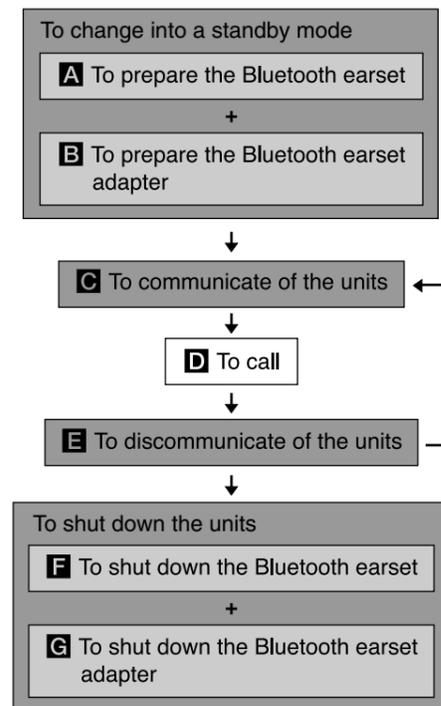


Note

The housing and the hanger are marked left (L) and right (R). For example, when using the left ear, the housing is set in the L position, and the hanger is attached with the L mark visible.

Operating the units

General operation flow is described as follows:



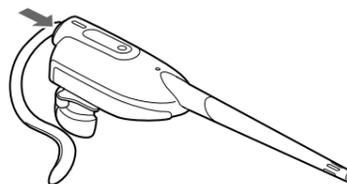
The mobile phone provided function may not correspond. Refer to the manual supplied with your mobile phone.

To change into a standby mode

- A To prepare the Bluetooth earset

Hold down the Multifunction button on the Bluetooth earset about 7 seconds.

When the LED blinks fast blue, release the button. The LED becomes to blink slowly blue.



Note

Take care that if the Multifunction button hold down about 10 seconds, the status goes pairing mode.

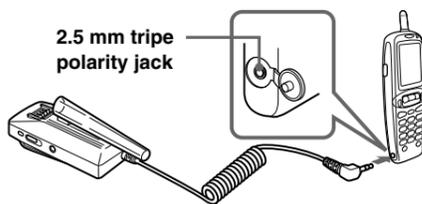
- B To prepare the Bluetooth earset adaptor

- 1 Press the POWER ON button a few seconds.

When the LED lights up blue and green, after the LED becomes to blink slowly blue.



- 2 Connect the Bluetooth earset adaptor to your mobile phone.



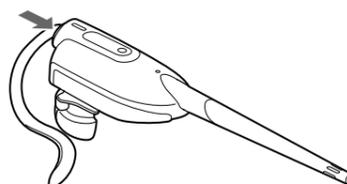
If there are not obstacles between the Bluetooth earset and the Bluetooth earset adaptor, the communication sensitivity goes up.

- C To communicate of the units (SCO LINK)

Press the Multifunction button.

The Bluetooth earset and the Bluetooth earset adaptor start communication (SCO LINK), so that the sound from mobile phone is heard by the Bluetooth earset.

And the voice talking by the pipe microphone is transmitted to the mobile phone.



When the SCO LINK has been started, the LED on Bluetooth earset adaptor lights up green, then that blinks blue.

The LED on Bluetooth earset blinks 3 times blue.

- D To call

Take the calling, finish the talking or dial by operating the mobile phone.

If your mobile phone equipped with voice-dial function, you can dial by the pipe microphone.

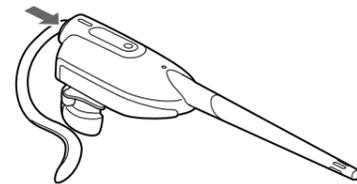
- E To discommunicate of the units

Press the Multifunction button once. SCO LINK disconnects. The Bluetooth earset and the Bluetooth earset adaptor return to the standby mode.

To shut down the units

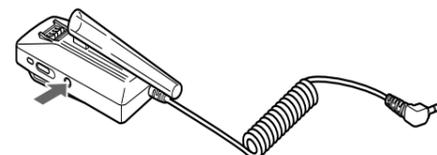
- F To shut down the Bluetooth earset

Hold down the POWER/TALK button on the Bluetooth earset until LED turned off.



- G To shut down the Bluetooth earset adaptor

Hold down the Pairing/Power off button with the point of the plug or similar instrument until LED turned off.



When the telephone is received

Press your mobile phone buttons.

There is a mobile phone that can receive pressing the POWER/TALK button.

To adjust the volume

Press the VOLUME + or - while SCO Link.

The beep of current volume is heard every time by pressing each button. When the volume setting is maximum or minimum, the beep does not sound for the exceeded operations.

VOLUME + VOLUME -

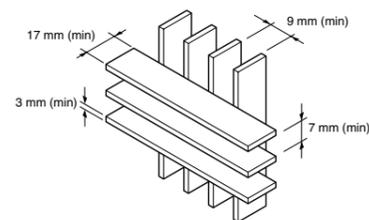


How to use the car attachment

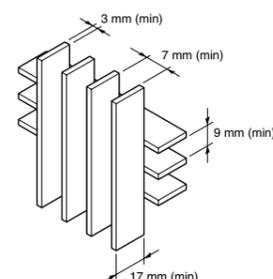
The car attachment (supplied) can be used hold the Bluetooth earset adaptor, by installing it in the vent of the air conditioner of your car. It is convenient for charging/using while driving.

Standard installation

Horizontal fin

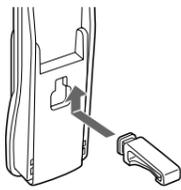


Vertical fin

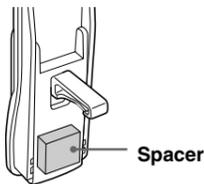


To install the car attachment

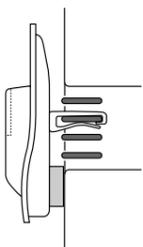
- 1 Attach the hook to the rear of the attachment. Ensure it is the correct way round. (See illustration)



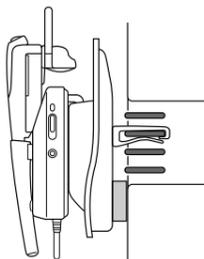
- 2 Attach the spacer under the hook firmly after peeling off the double-faced tape.



- 3 Insert the hook in the vent of the air conditioner. Confirm the hook is firmly clipped to the fin.

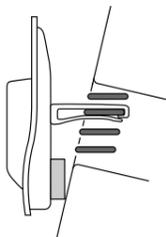


- 4 Dock the Bluetooth earset adaptor's belt clip in the attachment.

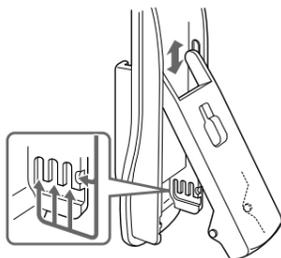


Tips

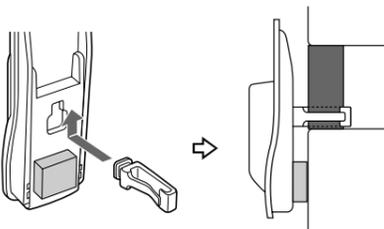
- Use the other hook (L) if the air conditioner is sloped.



- You can adjust the inclination of the attachment by sliding the rear of the car attachment.



- Install the hook to face side ways if the fin of the air conditioner is vertical.



To remove the attachment

- 1 Push the car attachment back, and push gently it off the fin.
- 2 Remove the attachment while suppressing the fin.

Note

If the attachment is pulled out and catches the fin, it may damage it.

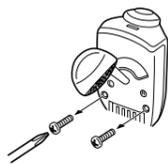
► Additional information

Disposing of the Bluetooth earset and adaptor

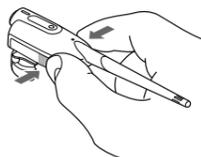
For environmental conservation, be sure to remove the built-in rechargeable battery from the units before you dispose of them, and dispose of the battery appropriately.

In the case of the Bluetooth earset

- 1 Remove the two screws from the rear.



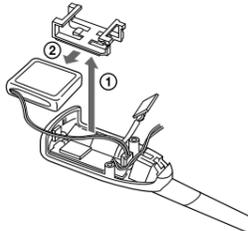
- 2 Push hard around the arrow as illustrated to unlatch the unit assembly.



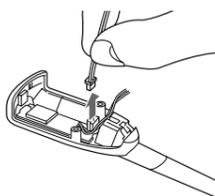
- 3 Lift lightly by the pipe microphone.



- 4 Remove each XXX first, and then remove the battery from the XXX.

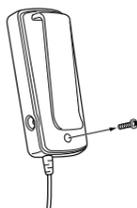


- 5 Remove the connector.

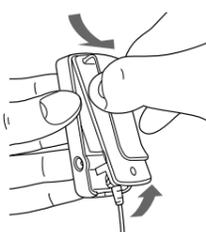


In the case of the Bluetooth earset adaptor

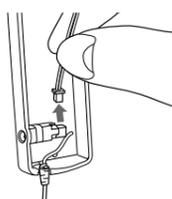
- 1 Remove the screw from the rear.



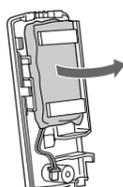
- 2 Raise the cover by the belt clip.



- 3 Remove the connector.



- 4 Pull out the battery.



Note

Be careful not to touch the circuit board attached to the battery box. Hold the battery box (black plastic box) when you remove them.

Troubleshooting

Problem	Solution
No sound/ Muffled sound	Turn on the transmitter first, then put on the headphones. Check the connection of the audio/video equipment or the AC power adaptor. Check that the audio/video equipment is turned on. Turn up the volume on the connected audio/video equipment, if the transmitter is connected to the headphones jack. DR-BT1: Change the radio frequency with the CHANNEL selector on the transmitter, then tune the headphones with the TUNE control. DR-BT1: Change the radio frequency with the CHANNEL selector on the transmitter, then press the TUNE button again. The mute function is activated. Use the headphones near the transmitter. The headphones' POWER indicator light is weak or turned off. • Charge the supplied rechargeable batteries or if the POWER indicator is still off after charging the supplied rechargeable batteries, take the headphones to a Sony dealer for replacement of the rechargeable battery. If you connect the transmitter to the LINE OUT or REC OUT jacks of an audio reproducer, make sure that the NOISE FILTER switch is set to OFF. Make sure that the NOISE FILTER switch is set to either ON or OFF (If the switch gets stuck between ON and OFF, the sound will be cut off).

Precautions

- Do not leave the Bluetooth earset system in a location subject to direct sunlight, heat or moisture.
- Consult local laws and regulations regarding use of the Bluetooth earset while driving or cycling.
- Using the Bluetooth earset may not function depending on radio wave conditions and location where the equipment is being used.
- If you experience discomfort after wearing the earset, take off the Bluetooth earset immediately.
- Start dialing after connecting the Bluetooth earset to your mobile phone.

Notes on earset

Preventing hearing damage avoid using earset at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce the volume or discontinue use.

Caring for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to the people around you. If you have any questions or problems concerning the system that are not covered in this manual, please consult the nearest Sony dealer. Be sure to bring the Bluetooth earset and the Bluetooth earset adaptor to the Sony dealer when requiring repair work.

Specifications

DR-BT1

General

Bluetooth Compliance:	Bluetooth standard Ver. 1.1
Output power:	Bluetooth standard Power Class2 (2.5mW)
Frequency band:	2.4GHz band (2.4000GHz - 2.4835GHz)
Max. Communication range:	Line of sight approx. 10m
Supplied accessory:	AC adaptor (1), Hanger (S) (1), Car Air-vent clip (1)

Bluetooth earset DR-BT1

Supported Bluetooth Profiles:	Headset Profile, Hands-free Profile
Power source:	DC 3.7V: Built-in Li-ion rechargeable battery
Typical Talktime:	7 hours
Typical Standby Time:	160 hours
Mass:	Approx. 20g

Receiver

Type:	Open air, dynamic
Driver unit:	13.5mm dome type (CCAW Voice Coil)
Sensitivity:	104dB/mW
Impedance:	16Ω at 1kHz
Power handling capacity:	50mW(IEC)
Reproduction frequency range:	50-20,000Hz

Microphone

Type:	Flexible pipe microphone
Unit:	Electric condenser
Output impedance:	Under 2.2kΩ
Open circuit voltage level:	-42dB(0dB = 1V/Pa)
Effective frequency range:	100 - 5,000Hz

Bluetooth earset adaptor DRC-BT1

Supported Bluetooth Profiles:	Headset Profile
Power source:	DC 1.2V: Built-in Ni-MH rechargeable battery
Typical Talktime:	5 hours
Typical Standby Time:	100 hours
Cord:	0.20m (Max. stretch length 0.7m)
Plug:	2.5mm triple/four-pole plug
Mass:	Approx. 35g (without cord)

Design and specifications are subject to change without notice.