

Wireless Neckband Speaker

Reference Guide

SRS-NB10

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



English **Wireless Neckband Speaker**

Before operating the unit, please read this guide thoroughly and retain it for future reference. Please access the following URL and read the contents of the END USER LICENSE AGREEMENT. https://rd1.sony.net/help/speaker/el21/h_zz/

CAUTION

Do not expose the appliance to naked flame sources (for example, lighted candles).

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

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


To reduce the risk of fire or electric shock, do not expose this unit to dripping or splashing, and do not place objects filled with liquids, such as vases, on the unit.

Do not expose the batteries (battery pack or batteries installed) to excessive heat such as sunshine, fire or the like for a long time. Do not subject the batteries to extreme low temperature conditions that may result in overheating and thermal runaway. Do not dismantle, open or shred secondary cells or batteries. In the event of a cell leaking, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice. Secondary cells and batteries need to be charged before use. Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions. After extended periods of storage, it may be necessary to charge and discharge the cells or batteries several times to obtain maximum performance. Dispose of properly.


Do not place this product close to medical devices

This product (including accessories) has magnet(s) which may interfere with pacemakers, programmable shunt valves for hydrocephalus treatment, or other medical devices. Do not place this product close to persons who use such medical devices. Consult your doctor before using this product if you use any such medical device.

This equipment has been tested and found to comply with the limits set out in the EMC regulation using a connection cable shorter than 3 meters.



Caution on charging



Inserting the USB plug while it is wet may cause a short circuit due to foreign matter or liquid (tap water, salt water, soft drinks, etc.) getting on the main unit or the USB cable. This may cause malfunctions or abnormal overheating.

Never insert the USB plug while the main unit or the USB cable is wet.

Precautions

On safety

- Important information such as the model name is located on the bottom of the unit.
- If you experience discomfort while using the unit, stop using it immediately.
- Be sure to stay awake while wearing the unit.
- If you experience a skin problem, such as itchiness, a rash, or redness, while wearing the unit, stop use of the unit. If wearing the unit seems to disagree with your skin, stop use of the unit early on and consult with your doctor or dealer.
- Wear the unit in a proper manner where you do not feel the vibrations of the unit on the sides of your neck to avoid a health issue or poor health.
- Do not keep listening at a loud volume for an extended period of time. Hours of listening at an ear-splitting volume level may damage your hearing. To protect your hearing, keep the volume at an appropriate level.
- Keep the volume low at first. Sudden loud sound may damage your hearing. It is advised that you gradually turn up the volume.
- Do not use the unit while walking, driving or cycling. Doing so may cause traffic accidents.
- Do not use at a dangerous place unless the surrounding sound can be heard.

On static electricity

- Static electricity accumulated in the body may cause mild tingling around your neck. To reduce the effect, wear clothes made from natural materials, which suppress the generation of static electricity.

On placement

- To eliminate the risk of malfunctions, avoid the following locations when placing or leaving this unit.
 - A place subject to high temperatures, such as under direct sunlight or lighting equipment, near a heat source, or in a sauna
 - Inside a vehicle with the windows closed (especially in summertime)
 - A place subject to excessive dust
 - A place subject to strong vibration
 - A place where cosmetics, such as a sunscreen, as well as chemical products, such as a bug spray, are stored
- Place this unit on a flat, level surface. When placed on a sloped surface, the unit may fall over or fall off the surface due to its own vibration, resulting in injuries, malfunctions, or performance degradation.
- Depending on the conditions where this unit is placed, it may fall off the surface. Do not leave any valuables near the unit.
- This unit is not anti-magnetic. Keep objects susceptible to magnetism (recorded tapes, watches, cash cards and credit cards with magnetic coding, etc.) away from the unit. When you carry around the unit, keep this in mind as well.

On charging the unit

- When charging, the unit cannot be turned on and the Bluetooth® function cannot be used.
- When the ambient temperature is extremely high or low, charging stops for safety reasons.
- Even if you do not intend to use the unit for a long time, charge the battery to its full capacity once every 6 months to maintain its performance.
- Make sure to close the USB Type-C® port cap securely after charging. Perspiration or water may cause damage.

Others

- Do not use or leave the unit in an extremely cold or hot environment (temperature outside the range of 5 °C – 35 °C). If the unit is used or left in outside the above range, the unit may automatically stop to protect internal circuitry.

On Copyrights

- Android is a trademark of Google LLC.
- The BLUETOOTH® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Sony Corporation is under license.
- WALKMAN and WALKMAN logo are registered trademarks of Sony Corporation.
- iPhone, iPod touch and Mac are trademarks of Apple Inc., registered in the U.S. and other countries.
- Microsoft and Windows are registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum.
- Other trademarks and trade names are those of their respective owners.
- ™ and ® marks are omitted in the documents.



Notes on water resistant feature (Read before using the unit)

The supplied accessories are not water resistant.

Water resistant performance of the unit

The unit, with the cap closed securely, has a water resistant specification of IPX4^{*1} as specified in "Degree of protection against splashing water" of the IEC60529 "Ingress Protection Rating (IP Code)"^{*2}. However, the unit is not completely waterproof. Do not drop the unit into hot water in a bathtub or purposely use it in water.

Liquids that the water resistant performance specifications apply to

Applicable	fresh water, tap water
Not applicable	liquids other than the above (soapy water, water with detergent or bath agents, shampoo, pool water, hot spring water, salt water, etc.)

^{*1} IPX4 (Degree of protection against splashing water): Protected against water splashing from any direction.

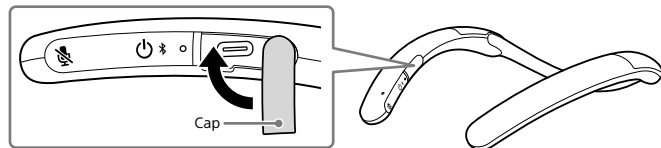
^{*2} The supplied accessories and the connectors of this unit (USB) are not water resistant. To reduce the risk of fire or electric shocks, do not expose the unit to water or droplets while using either or both of the connectors (USB). Do not place a vase or any other liquid-filled container on the unit.

The water resistant performance of the unit is based on our measurements under the conditions herein described. Note that malfunctions as a result of water immersion caused by misuse by the customer are not covered by the warranty.

To avoid the deterioration of the water resistant performance

Check the following and use the unit correctly.

- This unit does not have a design that is resistant to water pressure. Do not put the unit in the water or directly under the water gushing out of the faucet to avoid a malfunction.
- Do not pour high-temperature water or blow hot air from a hair dryer or any other appliance on the unit directly. Also never use the unit in a place subject to high temperatures, such as in a sauna or near a heat source.
- Handle the cap with care. The cap plays a very important role in maintenance of the water resistant performance. When using the unit, make sure that the cap is closed completely. When closing the cap, be careful not to allow foreign objects inside. If the cap is not closed completely, the water resistant performance may deteriorate and may cause a malfunction of the unit as a result of water or dust entering the unit.



How to care for the unit

You can use the unit more comfortably and for a longer period of time by following the maintenance procedure below.

Keep the unit from being exposed to chemical ingredients of a product, such as a bug spray or a tanning oil. When the unit is soiled on the surface, remove the soil by gently dabbing it with a dry, soft cloth or a well-wrung cloth dipped in tap or lukewarm water before the surface is stained with the soil. Depending on the type of soils, however, this may fail to remove the soil.

Be sure to wipe off the moisture after using the unit. If the unit is left wet, it may be soiled by water stains, molds, or the like.

The sound quality may change when water enters the speaker section of the unit. This, however does not indicate a malfunction.

Wipe off the moisture on its surface, and put the unit on a dry soft cloth to drain the collected water inside the unit. Then, dry the unit in an airy place until no moisture remains.

Note

- If the surface of the unit gets dirty, do not use detergent, thinner, benzene, alcohol, etc. to clean the unit because it will affect the water repellent function of the fabric part of the unit.
- Especially in cold regions, be sure to wipe off the moisture after using the unit. Leaving moisture on its surface may cause the unit to freeze and malfunction.
- If sand grains, etc. enter the fabric or other part of the unit, remove them carefully. Never use a vacuum cleaner, etc. on the unit. It may cause damage of the speaker section or other part of the unit.

Disclaimer regarding services offered by third parties

Services offered by third parties may be changed, suspended, or terminated without prior notice. Sony does not bear any responsibility in these sorts of situations.

Specifications

Speaker section

Full range unit Approx. 14 mm × 18 mm (2)

Enclosure type Passive radiator model

BLUETOOTH

Communication system

BLUETOOTH Specification version 5.1

Maximum communication range

Line of sight^{*1} approx. 30 m

Frequency band

2.4 GHz band (2.4000 GHz - 2.4835 GHz)

Modulation method

FHSS (Freq Hopping Spread Spectrum)

Compatible BLUETOOTH profiles^{*2}

A2DP (Advanced Audio Distribution Profile)

AVRCP (Audio Video Remote Control Profile)

HSP (Headset Profile)

HFP (Hands-free Profile)

Supported codecs^{*3}

SBC (Subband Codec)

AAC (Advanced Audio Coding)

Transmission range (A2DP)

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

Note

Depending on the network environment, there may be an interruption at the high bitrate transmission.

Microphone

Type MEMS (Micro Electronics Mechanical System) type

Directional characteristic

Omni directional

Effective frequency range

100 Hz - 8 000 Hz

General

Power

Built-in lithium-ion rechargeable battery
DC 5 V 0.5 A (500 mA): When charged using USB

Lithium-ion battery life (with playback via a BLUETOOTH connection)

Approx. 20 hours^{*4 *5}

Approx. 7 hours^{*4 *6}

Time required for charging the built-in rechargeable battery^{*7}

Approx. 4 hours

(10 minutes of charging provide approximately 60 minutes of music playback.)^{*4 *5}

Dimensions (including projecting parts and controls)

Approx. 191 mm × 49 mm × 185 mm (w/h/d)

Mass

Approx. 113 g including battery

Supplied accessories

USB Type-C cable (USB-A to USB-C)^{*8} (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, antenna's performance, operating system, software application, etc.

^{*2} BLUETOOTH standard profiles indicate the purpose of BLUETOOTH communications between devices.

^{*3} Codec: Audio signal compression and conversion format

^{*4} Actual performance time may vary from the listed time due to the volume, songs played, surrounding temperature, and usage conditions.

^{*5} Measured value acquired by playing our specified music source with the volume level of the unit set to 22.

^{*6} Measured value acquired by playing our specified music source with the volume level of the unit set to the maximum.

^{*7} Time required for the empty battery to be fully charged (100%) when the ambient temperature is in the range of 15 °C - 35 °C.

^{*8} A charging cable exclusively designed for the unit. Do not use the cable for any other purposes.

System requirements for charging battery using USB

Using a commercially-available USB AC adaptor capable of feeding in DC 5 V 0.5 A (500 mA).

Design and specifications are subject to change without notice.

