

Wireless Speaker

Reference Guide

SRS-XB20

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Printed in China
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* 4 6 9 3 2 5 8 4 2 * (1)

Before operating the system, please read this guide thoroughly and retain it for future reference.

WARNING

To reduce the risk of fire, do not cover the ventilation opening of the appliance with newspapers, tablecloths, curtains, etc.

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.

Do not expose the batteries (battery pack or batteries installed) to excessive heat such as sunshine, fire or the like for a long time.

The validity of the CE marking is restricted to only those countries where it is legally enforced, mainly in the countries EEA (European Economic Area).



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

Do not dismantle, open or shred secondary cells or batteries.

Do not expose cells or batteries to heat or fire. Avoid storage in direct sunlight.

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.

Do not use any cell or battery which is not designed for use with the equipment.

Secondary cells and batteries need to be charged before use.

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.

Precautions

On safety

- The nameplate and important information concerning safety are located on the bottom exterior.

On placement

- Do not set the speaker in an inclined position.
- Do not leave the system in a location near heat sources, or in a place subject to direct sunlight, excessive dust, or mechanical shock.
- Do not use or leave the system in a car.
- Do not use the system in a sauna.

On cleaning

- Do not use alcohol, benzene, or thinner to clean the cabinet.

Others

- When using the Speaker Add or Wireless Party Chain function, the codec is changed to SBC.
- At high temperature, the charging may stop or the volume may reduce to protect the battery.
- Even if you do not intend to use the system for a long time, charge the battery to its full capacity once every 6 months to maintain its performance.

On Copyrights

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

Water resistant performance of the system

This system has a water resistant specification^{*1,*2} of IPX5^{*3} as specified in "Degrees of protection against ingress of water" of the IEC60529 "Ingress Protection Rating (IP Code)." However, this system is not completely water-tight.

Do not drop the system 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, hot spring water, pool water, seawater, etc.)

^{*1} Requires that the cap is fastened securely.

^{*2} The supplied accessories are not water resistant.

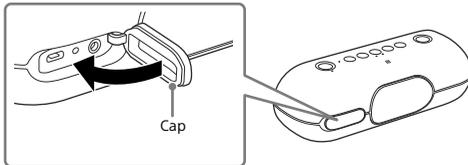
^{*3} IPX5 (Degree of protection against jets of water): For details, refer to Help Guide.

The water resistant performance of the system 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 system correctly.

- Do not use or leave the system in an extremely hot or cold environment (temperature outside the range of 5 °C – 35 °C). If the system is used or left in outside the above range, the system may automatically stop to protect internal circuitry.
- Be careful not to drop the system or subject it to mechanical shock. Deformation or damage may cause deterioration of the water resistant performance.
- Do not use the system in a location where large amount of water or hot water may splash on it. The system does not have a design that is resistant to water pressure. Use of the system in the above location may cause a malfunction.
- Do not pour high-temperature water or blow hot air from a hair dryer or any other appliance on the system directly. Also, never use the system in high temperature locations such as in saunas or near a stove.
- Handle the cap with care. The cap plays a very important role in maintenance of the water resistant performance. When using the system, 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 system as a result of water entering the system.



How to care for the system when wet

If the system gets wet, first remove the water from the system, and then wipe off the moisture on the system using a soft, dry cloth. Especially in cold regions, leaving moisture on its surface may cause the system to freeze and malfunction. Be sure to wipe off the moisture after using the system.

Put the system on towel or dry cloth. Then leave it at room temperature and dry the system until no moisture remains.

Specifications

Speaker section

Speaker system	Approx. 42 mm dia. × 2
Enclosure type	Passive radiator model

BLUETOOTH®

Communication System	BLUETOOTH Specification version 4.2
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
Compatible BLUETOOTH Profiles ^{*2}	A2DP (Advanced Audio Distribution Profile) AVRCP (Audio Video Remote Control Profile) HSP (Headset Profile) HFP (Hands-free Profile) SPP (Serial Port Profile)
Supported Codec ^{*3}	SBC ^{*4} , AAC ^{*5} , LDAC ^{*6}
Transmission range (A2DP)	20 Hz - 20,000 Hz (Sampling frequency 44.1 kHz)

^{*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

^{*5} Advanced Audio Coding

^{*6} LDAC is an audio coding technology developed by Sony that enables the transmission of High-Resolution (Hi-Res) Audio content, even over a BLUETOOTH connection. Unlike other BLUETOOTH compatible coding technologies such as SBC, it operates without any down-conversion of the Hi-Res Audio content^{*7}, and allows approximately three times more data^{*8} than those other technologies to be transmitted over a BLUETOOTH wireless network with unprecedented sound quality, by means of efficient coding and optimized packetization.

^{*7} Excluding DSD format contents.

^{*8} In comparison with SBC (Subband Coding) when the bitrate of 990 kbps (96/48 kHz) or 909 kbps (88.2/44.1 kHz) is selected.

Microphone

Type	Electret condenser
Directional characteristic	Omni directional
Effective frequency range	100 Hz - 7,000 Hz

General

Input	AUDIO IN jack (ø 3.5 mm stereo mini jack)
Power	DC 5 V (Using a commercially-available USB AC adaptor capable of feeding in 1.5 A or 0.5 A) or, using built-in lithium-ion battery
Usage life of lithium-ion battery (using the BLUETOOTH connection)	Approx. 12 hours ^{*9}
Dimensions (including projecting parts and controls)	Approx. 198 mm × 68 mm × 69 mm (w/h/d)
Mass	Approx. 590 g including battery
Supplied accessories	Micro-USB cable (1) Operating Instructions (1) Reference Guide (this document) (1) Warranty card (1) ^{*10}

^{*9} When the specified music source is used, the volume level of the unit is set to 21, and the illumination on the unit is turned off.

If the volume level of the unit is set to maximum, the usage life will be approx. 3 hours. Time may vary, depending on the temperature or conditions of use.

^{*10} The item is not included in some countries/regions.

Compatible iPhone/iPod models

Bluetooth technology works with iPhone 7 Plus, iPhone 7, iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPhone 4s, iPod touch (6th generation), iPod touch (5th generation).

Note

Sony cannot accept responsibility in the event that data recorded to iPhone/iPod is lost or damaged when using your iPhone/iPod connected to this unit.

Design and specifications are subject to change without notice.

