

## Wireless Speaker

Reference Guide

SRS-XB31

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



\* 4 7 3 4 0 3 9 4 1 \* (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.

If your skin touches this product for a long time when the power is on, it may cause a low temperature injury.

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. 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. It should be installed and operated with at least 20 cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).

### Precautions

#### On safety

- The nameplate and important information concerning safety are located inside of the cap on the rear side of the system.

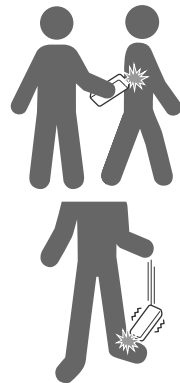
#### On placement

- Do not set the system 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.

#### About the Party Booster function

When using the Party Booster function, notice the following. If the system hits a person or thing, it may cause a malfunction.

- Disconnect the cables and close the cap when using the system.
- Do not use with the adaptor connected.
- When using the function, hold firmly and do not shake the system violently so that you do not throw or drop the system from your hand.
- Before using the function, make sure that you have secured sufficient space around the system.
- Do not hit the system with a tool.
- Do not use the function while you are driving or walking.
- Keep 20 cm or more away from the face and eyes while in use.
- Avoid using the function for a long time. Take breaks regularly.
- When using the function, if you get tired, feel uncomfortable or experience pain somewhere in your body, stop using the function immediately.



#### Others

- Do not use or leave the system in an extremely cold or hot 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.

- 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.

#### About the Voice Guidance

**IMPORTANT: THE SOUND GUIDANCE IS AVAILABLE IN THIS PRODUCT ONLY IN ENGLISH**

Depending on the status of the system, the voice guidance outputs from the speaker as follows.

- When setting the system to the pairing mode; "Bluetooth pairing"
- When pressing the BATT (battery) button to check the battery power during the system is turned on; "Battery fully charged/Battery about 70%/Battery about 50%/Battery about 20%/Please charge"
- When the battery power is low; "Please charge"
- When the settings are completed for the Speaker Add function; "Double mode"
- When pressing and holding the ADD (Speaker Add) button during the Speaker Add function; "Left/Right/Double mode"

#### On Copyrights

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### Notes on waterproof and dust proof features (Read before using the system)

#### Waterproof and dust proof performance of the system

The system, with the cap fastened securely, has a waterproof specification of IPX7<sup>\*1</sup> as specified in "Degree of protection against water immersion" of the IEC60529 "Ingress Protection Rating (IP Code)"<sup>\*3</sup>, and a dust proof specification of IP6X<sup>\*2</sup> as specified in "Degrees of protection against solid foreign objects"<sup>\*3</sup>.

#### Liquids that the waterproof performance specifications apply to

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

<sup>\*1</sup> IPX7 (Degree of protection against water immersion): For details, refer to the Help Guide.

<sup>\*2</sup> IP6X (Degrees of protection against dust): For details, refer to the Help Guide.

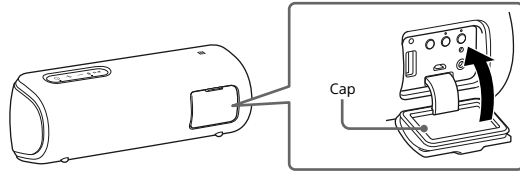
<sup>\*3</sup> The supplied accessory is not waterproof or dust proof.

The waterproof and dust proof performance of the system is based on our measurements under the conditions herein described. Note that malfunctions as a result of water immersion or dust intrusion caused by misuse by the customer are not covered by the warranty.

### To avoid deterioration of waterproof and dust proof performance

Check the following and use the system correctly.

- The system passes the drop test from 1.22 m on plywood of 5 cm thickness conforming to MIL-STD 810 F Method 516.5-Shock. However, this does not guarantee no damage, no breakdown, or waterproof and dust proof performance in all conditions. Deformation or damage from dropping the system or subjecting it to mechanical shock may cause deterioration of the waterproof and dust proof performance.
- Do not use the system in a location where large amounts 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 a location where high water pressure is applied, such as under running water or in the shower, 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 waterproof and dust proof 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 waterproof and dust proof performance may deteriorate and may cause a malfunction of the system as a result of water or dust particles entering the system.



### How to care for the system

Although the fabric part of the system has water repellent treatment applied, you can use the system more comfortably and for a longer period of time by following the maintenance procedure below.

- If the surface of the system gets dirty in the following cases, wash the system with fresh water (tap water, etc.) promptly to remove the dirt. Leaving dirt on its surface may cause the fabric part to discolor or deteriorate, or the system to malfunction.
  - Ex.
    - When salt, sand, etc. is stuck on the system after using it on a beach, pool side, etc.
    - When the system is stained with foreign substances (sunscreen, suntan oil, etc.)
- If the system gets wet, wipe off the moisture using a dry soft cloth immediately. In addition, dry the system in an airy place until no moisture remains.
- The sound quality may change when water enters the speaker section of the system. It is not malfunction. Wipe off the moisture on its surface, and put the system on a dry soft cloth with the SONY logo facing down to drain the collected water inside the system. Then, dry the system in an airy place until no moisture remains.

### Note

- If the surface of the system gets dirty, do not use detergent, thinner, benzene, alcohol, etc. to clean the system because it will affect the water repellent function of the fabric part of the system.

- Especially in cold regions, be sure to wipe off the moisture after using the system. Leaving moisture on its surface may cause the system to freeze and malfunction.
- Do not place the system directly on sand, such as in a sandbox or on a sandy beach. If sand grains, etc. enter the fabric part of the system, remove them carefully. Never use a vacuum cleaner, etc. on the system. It may cause damage of the speaker unit.

## Specifications

### Speaker section

Speaker system	Approx. 48 mm dia. × 2
Enclosure type	Passive radiator model

### BLUETOOTH®

Communication System	BLUETOOTH Specification version 4.2
Output	BLUETOOTH Specification Power Class 1
Maximum communication range	Line of sight approx. 30 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 communications 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 (stereo mini jack)
DC OUT	USB jack Type A (for charging the battery of a connected device) (5 V, Max.1 A)
Power	DC 5 V (using a commercially-available USB AC adaptor capable of feeding in 1.5 A) or, using built-in lithium-ion battery
Usage life of lithium-ion battery (using the BLUETOOTH connection)	approx. 24 hours*9 If the volume level of the system is set to maximum, the usage life will be approx. 4 hours.
Dimensions (including projecting parts and controls)	Approx. 231 mm × 87 mm × 81 mm (w/h/d)
Mass	Approx. 890 g including battery
Supplied accessory	Micro-USB cable (1)

\*9 When a specified music source is used, the volume level of the system is set to 21, the sound mode is set to STANDARD, and the illumination is turned off. Time may vary, depending on the temperature or conditions of use.

### System requirements for charging battery using USB

Using a commercially-available USB AC adaptor capable of feeding in 1.5 A

### Compatible iPhone/iPod models

Bluetooth technology works with iPhone 8 Plus, iPhone 8, 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 system.

Design and specifications are subject to change without notice.

