

Wireless Speaker

Reference Guide

SRS-XB402M

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



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

CAUTION

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

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

As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.

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

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. Do not use any charger other than that specifically provided for use with the equipment. Secondary cells 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.

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) and Switzerland.



Disposal of waste batteries and electrical and electronic equipment (applicable in the European Union and other countries with separate collection systems)



Caution on charging



Inserting the USB plug or DC 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 charging cable. This may cause malfunctions or abnormal overheating.

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

Precautions

On safety

- Important information such as the model name is located as follows:
 - On the bottom of the main unit.
 - On the surface of the AC adaptor.
- The MAC address of Wi-Fi® network is located inside of the cap on the rear side of this unit.

Notes on the AC adaptor

- Use only the supplied AC adaptor. To avoid damaging the unit, do not use any other AC adaptor.

On placement

- Do not set the unit in an inclined position.
- Do not leave the unit in a place subject to high temperatures, such as direct sunlight, near a heat source or under lighting equipment.
- Do not leave any objects susceptible to magnetism (cash cards, credit cards with magnetic coding, etc.) near the unit.
- Do not use or leave the unit in a car.

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.
- 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 unit for a long time, charge the battery to its full capacity once every 6 months to maintain its performance.

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Notes on the update

The software of this unit will be automatically updated to the latest software while connected to the Internet via a Wi-Fi network.

The software update will be delivered from time to time when, for example, a new feature becomes available or the update is required for stable use.

Such automatic software feature may not be disabled. Also, previous versions of the software cannot be retrievable.

Do not turn off power of this unit while updating. The unit may not be operational while updating.

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

Waterproof and dust proof performance of the unit

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

Liquids that the waterproof performance specifications apply to

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

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

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

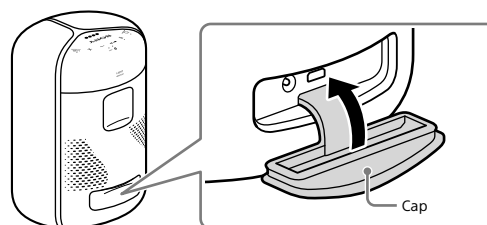
*3 The supplied accessories and the connectors of this unit (USB/DC IN) are neither waterproof nor dust proof.

The waterproof and dust proof performance of the unit 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 unit correctly.

- The unit passes the drop test from 1.22 m on plywood of 5 cm thickness conforming to MIL-STD810G Method 516.7-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 unit or subjecting it to mechanical shock may cause deterioration of the waterproof and dust proof performance.
- Do not use the unit in a location where large amounts of water or hot water may splash on it. The unit does not have a design that is resistant to water pressure. Use of the unit 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 unit directly. Also, never use the unit 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 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 waterproof and dust proof performance may deteriorate and may cause a malfunction of the unit as a result of water or dust particles entering the unit.



How to care for the unit when wet

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

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

Notes

- 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 part of the unit, remove them carefully. Never use a vacuum cleaner, etc. on the unit. It may cause damage of the speaker unit.

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Please access the following URL and read the contents of the license.
<http://rd1.sony.net/help/speaker/sl/19m/>



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To download, please access the following URL then select the model name "SRS-XB402M".

URL: <http://oss.sony.net/Products/Linux/>

Please note that Sony cannot answer or respond to any inquiries regarding the content of the source code.

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.

About Privacy Policy

To customers using "Sony | Music Center" who have agreed to the collection of information on how they use the unit:

You can check the privacy policy to which you have agreed at the following website.

<http://policies.sony.net/vs/01/index.html>

Sony will discontinue collecting information, even after you have already agreed, if you refuse to allow information to be collected on the settings menu* for "Sony | Music Center," or if you initialize the unit. (For details about initializing the unit, refer to the Help Guide**)

* As of April 1, 2019; Android only.

** URL: http://rd1.sony.net/help/speaker/srs-xb402m/h_zz/

Specifications

Speaker section

Speaker system	Satellite: Approx. 53 mm dia. × 2
Enclosure type	Passive radiator model

Network

Compatible standards	IEEE802.11 a/b/g/n
Radio frequency	2.4/5 GHz band

BLUETOOTH

Communication System	BLUETOOTH Specification version 4.2
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)
Supported Codec* ³	SBC (Subband Codec) AAC (Advanced Audio Coding)
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, antenna'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

Microphone

Type	MEMS (Micro Electronics Mechanical System) Type
Directional characteristic	Omni directional
Effective frequency range	100 Hz - 7,000 Hz
Number of microphones	Mic × 2

General

Power	DC 5 V (using the supplied AC adaptor connected to AC 100 V - 240 V, 50 Hz/60 Hz power supply) or, DC 5 V (using a commercially-available USB AC adaptor capable of feeding in 1.5 A) or, using built-in lithium-ion battery
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Lithium-ion battery life	Approx. 12 hours* ⁴ * ⁷ Approx. 11 hours* ⁵ * ⁷ Approx. 4 hours* ⁶ * ⁷
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*⁴ Measured value acquired by playing our specified music source with the volume level of the unit set to 31, the sound mode set to STANDARD, and the illumination turned off.

*⁵ Measured value acquired by playing our specified music source with the volume level of the unit set to 31 and with the factory default settings (illumination: ON and sound mode: EXTRA BASS).

*⁶ Measured value acquired by playing our specified music source with the volume level of the unit set to maxim (50) and with the factory default settings (illumination: ON and sound mode: EXTRA BASS). To protect internal circuitry, this unit is designed to reduce the maximum volume as the built-in rechargeable battery's power decreases. The listed battery life includes the playing period with the reduced maximum volume.

*⁷ Actual performance time may vary from the listed time due to the volume, songs played, surrounding temperature, and usage conditions.

Dimensions (including projecting parts and controls)	Approx. 143 mm × 195 mm × 122 mm (w/h/d)
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Mass	Approx. 1.5 kg
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Supplied accessories	AC adaptor (AC-E0530M) (1) Plug (1)
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System requirements for charging battery using USB

Using a commercially-available USB AC adaptor capable of feeding in 1.5 A or more and a micro-USB cable conforming to the USB standard is recommended.

Design and specifications are subject to change without notice.

Alexa is not available in all languages and countries/regions. See <https://www.amazon.com/alexa-availability> for details.

Receivable services vary depending on countries and regions.

