

Personal Audio System

Sistema de Áudio Pessoal

 Reference Guide

 Guia de Referência

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SRS-X2

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English

Personal Audio System

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

WARNING

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

To reduce the risk of fire, do not cover the ventilation of the apparatus with newspapers, tablecloths, curtains, etc. And do not place lighted candles on the apparatus.
To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.
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.
As the main plug of the USB AC adaptor is used to disconnect the USB AC adaptor from the mains, connect it to an easily accessible AC outlet. Should you notice an abnormality in it, disconnect it from 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.

Precautions

Note when using with a mobile phone

- For details on operation of your mobile phone when receiving a telephone call while transmitting the sound using the BLUETOOTH connection, refer to the operating instructions supplied with the mobile phone.

On safety

The nameplate and important information concerning safety are located on the bottom exterior of the main unit and on the surface of the USB AC adaptor.

- Before operating the system, be sure that the operating voltage of the system is identical with that of your local power supply.

Where purchased	Operating voltage
All countries/regions	100 V – 240 V AC, 50 Hz/60 Hz

Notes on the USB AC adaptor

- When connecting or disconnecting the USB AC adaptor, turn off the system beforehand. Otherwise, it may cause malfunction.
- Use only the supplied USB AC adaptor. To avoid damaging the system, do not use any other USB AC adaptor.
- Plug the USB AC adaptor into a nearby wall outlet (mains). In the case of a problem, unplug it from the wall outlet (mains) immediately.
- Do not install the USB AC adaptor in a confined space, such as a bookcase or built-in cabinet.
- To reduce the risk of fire or electric shock, do not expose the USB AC adaptor to dripping or splashing, and do not place objects filled with liquids, such as vases, on the USB AC adaptor.

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, moisture, rain or mechanical shock.

On operation

- Do not insert any small objects, etc., into the jacks of the system. The system may short out or malfunction.

On cleaning

- Clean this system with a soft cloth slightly moistened with a mild detergent solution. Do not use alcohol, benzine, or thinner to clean the cabinet.

Others

- 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.
- If you have any questions or problems concerning this system that are not covered in this manual, please consult your nearest Sony dealer.

On Copyrights

- The BLUETOOTH® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Sony Corporation is under license.
- The N Mark is a trademark or registered trademark of NFC Forum, Inc. in the United States and in other countries.
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What is BLUETOOTH wireless technology?

BLUETOOTH wireless technology is a short-range wireless technology that enables wireless data communication between digital devices, such as a computer and digital camera. BLUETOOTH wireless technology operates within a range of about 10 m.

Connecting two devices as necessary is common, but some devices can be connected to multiple devices at the same time.

You do not need to use a cable for connection, nor is it necessary for the devices to face one another, such is the case with infrared technology. For example, you can use such a device in a bag or pocket.

BLUETOOTH standard is an international standard supported by thousands of companies all over the world, and employed by various companies worldwide.

Maximum communication range

Maximum communication range may shorten under the following conditions.

- There is an obstacle such as a person, metal, or wall between the system and BLUETOOTH device.
- A wireless LAN device is in use near the system.
- A microwave oven is in use near the system.
- A device that generates electromagnetic radiation is in use near the system.

Interference from other devices

Because BLUETOOTH devices and wireless LAN (IEEE802.11b/g) use the same frequency, microwave interference may occur and resulting in communication speed deterioration, noise, or invalid connection if the system is used near a wireless LAN device. In such a case, perform the following.

- Use the system at least 10 m away from the wireless LAN device.
- If the system is used within 10 m of a wireless LAN device, turn off the wireless LAN device.

Interference to other devices

Microwaves emitting from a BLUETOOTH device may affect the operation of electronic medical devices. Turn off the system and other BLUETOOTH devices in the following locations, as it may cause an accident.

- where inflammable gas is present, in a hospital, train, airplane, or a gas station
- near automatic doors or a fire alarm

Notes

- To be able to use the BLUETOOTH function, the BLUETOOTH device to be connected requires the same profile as the system's.
Note also that even if the same profile exists, devices may vary in function depending on their specifications.
- Due to the characteristic of BLUETOOTH wireless technology, the sound played on the system is slightly delayed from the sound played on the BLUETOOTH device during talking on the telephone or listening to the music.
- This system supports security capabilities that comply with the BLUETOOTH standard to provide a secure connection when the BLUETOOTH wireless technology is used, but security may not be enough depending on the setting. Be careful when communicating using BLUETOOTH wireless technology.
- We do not take any responsibility for the leakage of information during BLUETOOTH communication.
- A device featuring the BLUETOOTH function is required to conform to the BLUETOOTH standard specified by Bluetooth SIG, and be authenticated. Even if the connected device conforms to the above mentioned BLUETOOTH standard, some devices may not be connected or work correctly, depending on the features or specifications of the device.
- Noise or sound skips may occur depending on the BLUETOOTH device connected with the system, the communication environment or the usage environment.

Specifications

Speaker section

Speaker system	Approx. 45 mm dia. × 2
Enclosure type	Bass reflex

Amplifier section

Maximum output power	Using USB AC adaptor and battery: 10 W + 10 W Using battery only: 5 W + 5 W (at 10 % harmonic distortion, 1 kHz, 8 Ω)
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BLUETOOTH

Communication System	BLUETOOTH Specification version 3.0
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)
Supported Codec*3	SBC*4
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

Microphone

Type	Electret condenser
Directional characteristic	Omni directional
Effective frequency range	200 Hz - 4,000 Hz

General

Input	AUDIO IN jack (ø 3.5 mm stereo mini jack)
Power	DC 5 V 1.5 A (using the supplied USB AC adaptor connected to AC 100 V - 240 V, 50 Hz/60 Hz, 0.3 A power supply) or, using built-in lithium-ion battery
Usage life of lithium-ion battery (using the BLUETOOTH connection)	approx. 5 hours*5
Dimensions (including projecting parts and controls)	Approx. 171 mm × 60.5 mm × 56.5 mm (w/h/d)
Mass	Approx. 500 g including battery
Supplied accessories	USB AC adaptor (AC-SSV15AS)*6 (1) Carrying pouch (1) Quick Start Guide (1) Reference Guide (this document) (1) Warranty Card (1)

*5 Time may vary, depending on the temperature or conditions of use.

*6 Use only the supplied USB AC adaptor. The system is not guaranteed to work with any other USB AC adaptor.

Design and specifications are subject to change without notice.

