

Glass Sound Speaker

Reference Guide

LSPX-S2

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English

Glass Sound Speaker

Before operating the unit, 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 opening of the appliance with newspapers, tablecloths, curtains, etc. Do not expose the appliance to naked flame sources (for example, lighted candles).

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 similar unit.

Do not expose batteries or apparatus with battery installed to excessive heat such as sunshine, fire or the like.

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.

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. 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.

Install USB AC adaptor so that it can be unplugged from the wall socket immediately in the event of trouble.

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.

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). 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.

Do not subject the unit to strong impact.

Do not subject the unit to excessive force or strong impact. A portion of the unit is made of organic glass. Chipped or broken glass may result in injury. In the case of broken glass, stop use immediately and be careful not to touch the broken area.

Precautions

On safety

- The nameplates are located on the bottom exterior of the unit and the surface of the AC adaptor.
- The MAC address of the Wi-Fi network is located on the bottom exterior of this unit.
- Before using the USB AC adaptor, be sure that the operating voltage 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

On temperature rise

• If the unit is used for an extended period of time, the temperature of the unit and the USB AC adaptor will rise. This is not a malfunction.

On placement

- The speaker unit, built-in amp, and cabinet are precisely tuned. Do not dismantle, modify, etc.
- Do not insert foreign objects from the opening of the speaker unit.
- Do not splash water onto this product. The product is not waterproof.
- 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 use or leave the unit in a car.
- Do not set the unit in an inclined position. Otherwise, the unit's vibrations may cause it to fall, leading to a malfunction, damage, or reduced performance.
- Use caution when placing the unit on a specially treated (waxed, oiled, polished, etc.) surface, as staining or discoloration may result.
- Depending on the placement situation, the unit may fall or drop. Do not leave any valuable objects near the unit.
- When carrying the unit, be careful of the following.
 - Do not leave any objects susceptible to magnetism (cash cards, etc.) near the unit.
 - Do not grip the organic glass cylinder.
 - Do not hit the unit against objects.
- If the unit becomes dirty, wipe the cabinet with a soft cloth dampened with mild detergent. Do not use benzine, alcohol, thinner, detergent, etc., because they will damage the surface finish. For information on cleaning the organic glass cylinder, see "On handling the organic glass cylinder."

On organic glass

The unit uses organic glass.

Misusing the organic glass may cause the glass to break, cause injury, or sometimes lead to blindness. It may also have adverse effects on the sound quality, illumination, etc. To avoid an accident, be sure to adhere to the following.

- Do not grasp the organic glass directly with your hands or lift it. Grasping the organic glass to lift the unit may damage the unit or cause injuries if the unit falls.
- Do not subject the unit to strong impacts, such as dropping it from a high place, hitting it against something, or stepping on it. If you hit the unit against a hard object, even without strong force, the organic glass may break, crack, chip, or warp, causing failure or low performance.
- Do not scratch the organic glass.

Small cracks and chips can cause the organic glass to break. If the glass cracks but does not immediately break, it may break suddenly at an unexpected time. Small chips, small cracks and large cracks can have a strong negative impact on sound quality, illumination, and other functions.

- Do not subject the unit to extreme temperature changes.

The organic glass is not heat resistant. Do not place the unit near or on top of hot objects.

Extreme temperature changes may cause the glass to break or warp.

If you notice any cracks, chips, breaks, or other abnormalities in the organic glass cylinder, contact your nearest Sony dealer.

On handling the organic glass cylinder

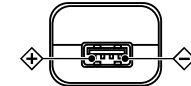
- Without using strong force, brush away dust with a soft brush or feather duster, and use the supplied cleaning cloth to wipe the organic glass clean. (Do not use a scrubbing brush, sponge, etc.)
- If the organic glass is oily or covered in fingerprints, breathe onto it and use the supplied cleaning cloth to wipe it off.
- If the organic glass is exceptionally dirty, wipe it with the supplied cleaning cloth that has been dampened with cold or lukewarm soapy water.
- Do not use benzine, alcohol, thinner, detergent, etc., because they will damage the surface finish.
- Do not dismantle the unit, because it may cause performance and sound quality deterioration.

On the organic glass cylinder illumination

- Do not look directly into the illumination.

Notes on the USB AC adaptor

- When connecting or disconnecting the USB AC adaptor, turn off the unit beforehand. Otherwise, it may cause malfunction.
- Use only the supplied USB AC adaptor and micro-USB cable. To avoid damaging the unit, do not use any other USB AC adaptor.



Polarity of the plug

- Plug the USB AC adaptor into a nearby AC outlet. In the case of a problem, unplug it from the AC outlet immediately.
- Do not install the USB AC adaptor in a confined space, such as a bookcase or built-in cabinet.

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.
- It is recommended that you charge the battery when you find the charge indicator flashing. By charging the battery after the indicator starts flashing, you can use the battery longer.
- 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 the duration that the unit can be used shortens to about half the normal time, consider the life span of the rechargeable battery.
- If you have any questions or problems concerning this unit that are not covered in this manual, please consult your nearest Sony dealer.

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To download, please access the following URL then select the model name "LSPX-S2".

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.

Notes on the update

If you use this unit while connected to the Internet via a Wi-Fi network, the unit can update to the latest software automatically.

By updating the software, new features will be added enabling you to experience more convenient and stable use.

If you do not want to automatically update the software, you can disable this function by using Sony | Music Center installed on your smartphone/iPhone.

However, the software may be updated automatically for stable use, etc., even if you disable this function. Also, if you disable this function, you can still update the software manually. For details about how to set and operate, refer to the Help Guide.

The unit may not be operational while updating.

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 "Initializing the Unit" in the Operating Instructions.)

* As of February 1, 2019; Android only.

Specifications

Section for Speaker

Speakers Tweeter: Organic glass cylinder type
Woofer: Approx. 35 mm dia.

Enclosure type Passive radiator model
Frequency band 60 Hz - 40,000 Hz

Section for Amplifier

Reference output power
Approx. 11 W (woofer, at 10% harmonic distortion, 1 kHz, 4 Ω)

Number of outputs
4 CH (tweeter: 3 CH, woofer: 1 CH)

Section for Network

Compatible standards
IEEE 802.11 a/b/g/n (WEP 64 bit, WEP 128 bit, WPA/WPA2-PSK (AES), WPA/WPA2-PSK (TKIP))

Radio frequency
2.4 GHz band, 5 GHz band

Section for BLUETOOTH

Output BLUETOOTH Specification Power Class 2
Maximum communication range
Line of sight Approx. 10 m*1

Radio frequency
2.4 GHz band (2.4000 GHz - 2.4835 GHz)

Communication System
BLUETOOTH Specification Version 4.2

Modulation method
FHSS

Compatible BLUETOOTH Profiles*2
A2DP (Advanced Audio Distribution Profile)
AVRCP (Audio Video Remote Control Profile)

Supported codecs*3
SBC*4
AAC*5
LDAC*6

Corresponding content protection
SCMS-T

Transmission bandwidth (A2DP)
20 Hz - 20,000 Hz (with 44.1 kHz sampling)

*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.

General

AUDIO IN

ANALOG φ3.5 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 power supply) or, using built-in lithium-ion battery

Power Consumption (when using the USB AC adaptor)
Approx. 11 W (when charging, max. brightness setting for illumination)
Approx. 0.2 W (when during BLUETOOTH/network standby mode is on)
Approx. 0.2 W (when during BLUETOOTH/network standby mode is off)

Usage life of lithium-ion battery
Approx. 8 hours*1 (when BLUETOOTH connection and Wi-Fi is not connected)
Approx. 8 hours*1 (when Wi-Fi connection)

Charging time of lithium-ion battery
Approx. 5 hours*1

Operating temperature
5 °C - 35 °C

Dimensions (including projecting parts and controls)
Approx. 90 mm dia. × 277 mm

Mass
Approx. 1.1 kg

Supplied accessories:

USB AC adaptor (1)
Micro-USB cable (1)
Cleaning cloth (1)

*1 Depending on the ambient temperature and circumstances of use, the actual duration may be different.

Compatible iPhone/iPod models (As of November 2018)

iPhone X, 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, iPod touch (6th 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.

