

# Wireless Speaker

- Reference Guide
- Guide de référence
- Guía de referencia

LF-S50G



\* 4 7 2 7 1 6 8 1 1 \* (1)

4-727-168-11(1)

## English Wireless Speaker

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

### Owner's Record

The serial number is located on the bottom of the product. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. LF-S50G

Serial No. \_\_\_\_\_

### WARNING

To reduce the risk of fire or electric shock, do not expose the AC adaptor 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 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. 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 AC Adaptor is used to disconnect the AC adaptor from the mains, connect it to an easily accessible AC outlet. Should you notice an abnormality in it, disconnect it 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.

### CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

### For customers in the USA

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that is deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20 cm or more away from person's body.

This equipment must not be co-located or operated in conjunction with any other antenna or transmitter.

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

### For customers in Canada

CAN ICES-3 B/NMB-3 B

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

High-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Compliance with FCC requirement 15.407(c)

Data transmission is always initiated by software, which is the passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this unit automatically discontinues transmission in case of either absence of information to transmit or operational failure.

Frequency Tolerance: ±12ppm

5150-5350 MHz band is restricted to indoor operation only.

5.47-5.725 GHz band is restricted to indoor operations only.

### Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



Polarity of the plug

- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

### Precautions

#### On safety

- The nameplate and important information concerning safety are located the bottom of the main unit and on the surface of the AC adaptor.
- Before operating the unit, be sure that the operating voltage of the unit 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 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 location near heat sources, or in a place subject to direct sunlight, excessive dust, or mechanical shock.
- Do not use or leave the unit in a car.
- Do not use the unit in a sauna.

#### On cleaning

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

#### About the Voice Guidance

**IMPORTANT: THE SOUND GUIDANCE IS AVAILABLE IN THIS PRODUCT ONLY IN ENGLISH**  
Depending on the status of the unit, the voice guidance outputs from the unit as follows:

- When setting the unit to the pairing mode; "Bluetooth pairing"
- When pressing and holding the (call) button to check the battery power during the unit is turned on; "Fully charged/About 70%/About 50%/About 20%/Please charge"
- When the battery power is low; "Please charge"
- When changing the L/R on SongPal during the Speaker Add function; "Left/Right"

#### On Copyrights

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- 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.
- Android™, Google Play, Google Play Logo, and Chromecast are trademarks of Google Inc.
- Other trademarks and trade names are those of their respective owners.

#### 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.

To use this product, a Wi-Fi environment and Google Account are necessary, as well as your consent to Google Terms of Use and/or Privacy Policy. By using this product, you agree to Sony's EULA. Software for this product is automatically updated from time to time and you cannot choose or refuse to load such automatic software.

### Notes on water resistant feature (Read before using the unit)

#### Water resistant performance of the unit

This unit has a water resistant specification\*1 of IPX3\*2 as specified in "Degrees of protection against ingress of water" of the IEC60529 "Ingress Protection Rating (IP Code)." However, this unit is not completely water-tight. Do not drop the unit into water 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 The supplied accessories are not water resistant.

\*2 IPX3 (Protected against spraying water.): For details, refer to Help Guide.

The water resistant performance of the unit 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 unit correctly.
- Do not use or leave the unit in an extremely hot or cold environment (temperature outside the range of 5 °C – 35 °C (41 °F – 95 °F)). If the unit is used or left in outside the above range, the unit may automatically stop to protect internal circuitry.
  - Be careful not to drop the unit or subject it to mechanical shock. Deformation or damage may cause deterioration of the water resistant performance.
  - Do not use the unit in a location where large amount 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 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 unit directly. Also, never use the unit in high temperature locations such as in saunas or near a stove.

#### How to care for the unit when wet

If the unit gets wet, first remove the water from the unit, and then wipe off the moisture on the unit using a soft, dry cloth. Especially in cold regions, leaving moisture on its surface may cause the unit to freeze and malfunction. Be sure to wipe off the moisture after using the unit. Put the unit on towel or dry cloth. Then leave it at room temperature and dry the unit until no moisture remains.

#### Notice on GNU GPL/LGPL applied software

This product contains software that is subject to the following GNU General Public License (hereinafter referred to as "GPL") or GNU Lesser General Public License (hereinafter referred to as "LGPL"). These establish that customers have the right to acquire, modify, and redistribute the source code of said software in accordance with the terms of the GPL or LGPL supplied. The source code for the above-listed software is available on the Web. To download, please access the following URL then select the model name "LF-S50G". 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.

### Specifications

#### AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:  
(The United States model only)  
With 3 ohm load driven, from 120 Hz – 10,000 Hz; rated 30 watts minimum RMS power, with no more than 0.7% total harmonic distortion from 250 milliwatts to rated output.

#### Speaker section

Speaker system	Satellite 48 mm Subwoofer 53 mm
Enclosure type	Satellite: Closed type Subwoofer: Bass reflex type

#### Network

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

#### BLUETOOTH

Communication System	BLUETOOTH Specification version 4.2
Output	BLUETOOTH Specification Power Class 1
Maximum communication range	Line of sight approx. 10 m (30 ft)*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*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, 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

\*4 Subband Codec

#### Microphone

Type	MEMS (Micro Electronics Mechanical System) Type
Directional characteristic	Omni directional
Effective frequency range	@@ Hz - @@ Hz

#### General

Power	DC 15 V (using the supplied AC adaptor connected to AC 100 V - 240 V, 50 Hz/60 Hz power supply)
Power consumption	@@ W
Power consumption (during standby mode)	Less than @@ W
Power consumption (during BLUETOOTH/network standby mode)	Less than @@ W
Dimensions (including projecting parts and controls)	Approx. 110 mm X 162 mm (@@ in x @@ in) (φ/h)
Mass	Approx. 710 g (@@ oz)
Supplied accessories	AC adaptor (AC-E1525 or AC-E1525M) Operating Instructions (1) Reference Guide (this document) (1) Warranty card (1)

