

# Personal Audio System

Reference Guide	US
Guide de référence	FR
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SRS-BTS50

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


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## English Personal Audio System

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

### Owner's Record

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

Model No. SRS-BTS50

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

### For customers in the USA

Please register this product on line at <http://www.sony.com/productregistration>. Proper registration will enable us to send you periodic updates about new products, services and other important announcements. Registering your product will also allow us to contact you in the unlikely event that the product needs adjustment or modification. Thank you.

## 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 apparatus with newspapers, tablecloths, curtains, etc. Do not place the naked flame sources such as 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 batteries or apparatus with battery installed to an excessive heat such as sunshine, fire or the like.

As the main plug of the AC adaptor is used to disconnect the AC adaptor from the mains, connect the system to an easily accessible AC outlet. Should you notice an abnormality in the system, disconnect the main plug from AC outlet immediately. The system is not disconnected from the mains as long as it is connected to the AC outlet, even if the system itself has been turned off.

## CAUTION

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

The following FCC/IC statement applies only to the version of this model manufactured for sale in the USA and Canada. Other versions may not comply with FCC/IC technical regulations.

### 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 in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR).

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

This Class B digital device complies with Part 15 of the FCC Rules and Canadian ICES-003. 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.

### For customers in the USA and Canada

#### RECYCLING LITHIUM-ION BATTERIES

Lithium-ion batteries are recyclable. You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit <http://www.rbc.org/>

Caution: Do not handle damaged or leaking Lithium-Ion batteries.



**For the state of California, USA only**  
Perchlorate Material - special handling may apply, See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate)  
Perchlorate Material: Lithium battery contains perchlorate

For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.

For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

### For customers in Canada

This device complies with Industry Canada licence-exempt RSS standard(s). 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.

This Class B digital apparatus complies with Canadian ICES-003.

This warranty is valid only in the United States. / Cette garantie ne s'applique qu'aux États-Unis. / Esta garantía sólo es válida en Estados Unidos.

SONY®

Portable Audio

# LIMITED WARRANTY (U.S. Only)

Sony Electronics Inc. ("Sony") warrants this product against defects in material or workmanship for the time periods and as set forth below when purchased directly from Sony or a Sony Retailer. Pursuant to this Limited Warranty, Sony will, at its option, (i) repair the product using new or refurbished parts or (ii) replace the product with a new or refurbished product. For purposes of this Limited Warranty, "refurbished" means a product or part that has been returned to its original specifications. **In the event of a defect, these are your exclusive remedies.**

**Labor:** For a period of ninety (90) days from the original date of purchase of the product ("Labor Warranty"), Sony will, at its option, repair or replace with new or refurbished product, product determined to be defective. If Sony elects to replace the product after this Labor Warranty has expired but while the Parts Warranty below is still in effect, it will do so for the applicable labor charge.

**Parts:** For a period of one (1) year from the original date of purchase of product ("Parts Warranty"), Sony will supply new or refurbished replacement parts in exchange for parts determined to be defective.

This Limited Warranty covers only the hardware components packaged with the Product. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the Product; any such software is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty. Please refer to the End User License Agreements included with the Product for your rights and obligations with respect to the software.

**Instructions:** To obtain warranty service, you must deliver the product, freight prepaid, in either its original packaging or packaging affording an equal degree of protection to the Sony authorized service facility specified. **It is your responsibility to backup any data, software or other materials you may have stored or preserved on your unit. It is likely that such data, software, or other materials will be lost or reformatted during service and Sony will not be responsible for any such damage or loss.** A dated purchase receipt from Sony or a Sony Retailer is required. For specific instructions on how to obtain warranty service for your product,

Visit Sony's Web Site:  
[www.sony.com/support](http://www.sony.com/support)

Or call the **Sony Customer Information Service Center**  
**1-800-222-SONY (7669)**

For an accessory or part not available from your authorized dealer, call:

1-800-488-SONY (7669)

**Repair / Replacement Warranty:** This Limited Warranty shall apply to any repair, replacement part or replacement product for the remainder of the original Limited Warranty period or for ninety (90) days, whichever is longer. Any parts or product replaced under this Limited Warranty will become the property of Sony.

This Limited Warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use; it does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, misuse, limitations of technology, or modification of or to any part of the Sony product or product purchased from other than Sony or a Sony Retailer. To determine if a retailer is part of the Sony Retailer Network, please contact Sony's Customer Service Call Center or go to [www.sony.com/support](http://www.sony.com/support). This Limited Warranty does not cover Sony products sold AS IS or WITH ALL FAULTS or consumables (such as fuses or batteries). This Limited Warranty is invalid if the factory-applied serial number has been altered or removed from the product. This Limited Warranty is valid only in the United States.

**LIMITATION ON DAMAGES:** SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT.

**DURATION OF IMPLIED WARRANTIES:** EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state.

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## 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 indicating Sony trademark, model number and electrical rating is located on the bottom exterior of this system.

- 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 AC adaptor

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



Polarity of the plug

- Plug the 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 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 AC adaptor to dripping or splashing, and do not place objects filled with liquids, such as vases, on the 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 or ventilation hole on the rear of the system. The system may short out or malfunction.

### On cleaning

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

### Others

- 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.
- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- Other trademarks and trade names are those of their respective owners.

## 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 (about 30 ft).

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 (about 30 ft) away from the wireless LAN device.
- If the system is used within 10 m (about 30 ft) 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: 39 mm (1 9/16 in) Full range / Enclosure type: Built-in passive radiator

### Amplifier section

Reference output power: 2.5 W + 2.5 W (10% T.H.D., 1 kHz, 3.2 Ω) / Input: Stereo mini jack × 1 / Output: Stereo mini jack × 1

### BLUETOOTH

Communication System: BLUETOOTH Specification version 3.0 / Output: BLUETOOTH Specification Power Class 2 / Maximum communication range: Line of sight approx. 10 m (30 ft)\* / Frequency band: 2.4 GHz band (2,400 GHz - 2,4835 GHz) / Modulation method: FHSS / Compatible BLUETOOTH Profiles\*: A2DP (Advanced Audio Distribution Profile), AVRCP (Audio Video Remote Control Profile), HFP (Hands-free Profile), HSP (Headset Profile) / Supported Codec\*: SBC\*, AAC\* / 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

\*5 Advanced Audio Coding

### Microphone

Type: Electret condenser / Directional characteristic: Omni directional

### General

Power: Built-in lithium-ion battery, DC 5.2 V (when using the supplied AC adaptor connected to AC 100 V - 240 V power supply) / Rated power consumption: 3.3 W (when using the supplied AC adaptor), Approx. 0.4 W (in standby mode when using the supplied AC adaptor) / Battery life: Approx. 10 hours\*\* (when using the BLUETOOTH connection) / Charging time: Approx. 3 hours\*\* / Operating temperature: 5 °C to 35 °C (41 °F to 95 °F) / Dimensions: Approx. 175 mm × 70 mm × 65 mm (7 in. × 2 7/8 in. × 2 5/8 in.) (w/h/d) / Mass: Approx. 400 g (14 oz.) including the rechargeable battery / Supplied accessories: AC adaptor AC-E5212 (1), Quick Start Guide (1), Reference Guide (this document) (1)

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

Design and specifications are subject to change without notice.