

## Wireless Stereo Headset

## Casque stéréo sans fil

## Auriculares estéreo inalámbricos

Made for  iPhone | iPodConçu pour  iPhone | iPod

\* 4 6 8 9 6 4 6 1 2 \* (1)

MDR-XB950B1

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

### English

## WARNING

**To reduce the risk of electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.**

**CAUTION: Risk of Fire and Burns. Do Not Open, Crush, Heat Above 140°F or Incinerate.**

### Information

**FOR UNITED STATES CUSTOMERS. NOT APPLICABLE IN CANADA, INCLUDING IN THE PROVINCE OF QUEBEC.**

**POUR LES CONSOMMATEURS AUX ÉTATS-UNIS. NON APPLICABLE AU CANADA, Y COMPRIS LA PROVINCE DE QUÉBEC.**

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.

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

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

#### 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 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.

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 testing of specific absorption rate (SAR).

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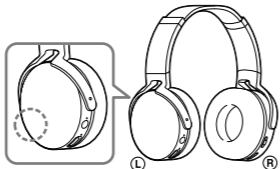
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## Precautions

### On BLUETOOTH communications

- BLUETOOTH wireless technology operates within a range of about 10 m (30 feet). Maximum communication range may vary depending on obstacles (human body, metal, wall, etc.) or electromagnetic environment.
- The antenna is built into the unit as illustrated in the dotted line. The sensitivity of the BLUETOOTH communications will improve by turning the direction of the built-in antenna to the connected BLUETOOTH device. When obstacles are between the antenna of the connected device and the built-in antenna of this unit, noise or audio dropout may occur, or communications may be disabled.



- BLUETOOTH communications may be disabled, or noise or audio dropout may occur under the following conditions.
  - There is a human body between the unit and the BLUETOOTH device. This situation may be improved by placing the BLUETOOTH device facing the antenna of the unit.
  - There is an obstacle, such as metal or wall, between the unit and the BLUETOOTH device.
    - A device using 2.4 GHz frequency, such as a Wi-Fi device, cordless telephone, or microwave oven, is in use near this unit.
- Because BLUETOOTH devices and Wi-Fi (IEEE802.11b/g/n) use the same frequency (2.4 GHz), microwave interference may occur resulting in noise or audio dropout or communications being disabled if this unit is used near a Wi-Fi device. In such a case, perform the following.
  - Use this unit at least 10 m (30 feet) away from the Wi-Fi device.
  - If this unit is used within 10 m (30 feet) of a Wi-Fi device, turn off the Wi-Fi device.
  - Install this unit and the BLUETOOTH device as near to each other as possible.
- Microwaves emitting from a BLUETOOTH device may affect the operation of electronic medical devices. Turn off this unit and other BLUETOOTH devices in the following locations, as it may cause an accident:
  - where inflammable gas is present, in a hospital, or a petrol station
  - near automatic doors or a fire alarm
- This product emits radio waves when used in wireless mode.
  - When used in wireless mode on an airplane, follow flight crew directions regarding permissible use of products in wireless mode.
- Due to the characteristic of BLUETOOTH wireless technology, the sound played on this unit is slightly delayed from the sound played on the BLUETOOTH device during talking on the telephone or listening to the music.
- This unit 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 communications.
- Connection with all BLUETOOTH devices cannot be guaranteed.
  - A device featuring BLUETOOTH function is required to conform to the BLUETOOTH standard specified by Bluetooth SIG, Inc. 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.
  - While talking on the phone hands free, noise may occur, depending on the device or communication environment.
- Depending on the device to be connected, it may require some time to start communications.

### On the use of calling apps for smartphones and computers

- This unit supports normal incoming calls only. Calling apps for smartphones and computers are not supported.

### If sound skips frequently during playback

- The situation may be improved by changing the wireless playback quality settings or fixing the wireless playback mode to SBC on the transmitting device. For details, refer to the operating instructions supplied with the transmitting device.
- If you are using a smartphone, the situation may be improved by shutting down unnecessary applications or rebooting the smartphone.

### On charging the unit

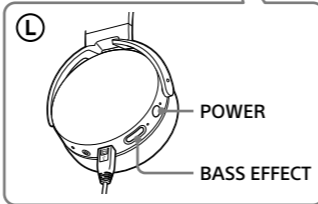
- This unit can be charged using USB only. Personal computer with USB port is required for charging.
- This unit cannot be turned on, nor can the BLUETOOTH function be used, during charging.
- If you do not use the unit for a long time, the rechargeable battery may not be able to keep sufficient charge. The battery will be able to keep a charge properly after repeatedly discharging and charging several times.
- If you store the unit for a long time, charge the battery once every half year to prevent over-discharge.
- If the length of time you can use the unit became extremely short, the rechargeable battery should be replaced with a new one. Please contact your nearest Sony dealer for a battery replacement.


### Note on static electricity

- Static electricity accumulated in the body may cause mild tingling in your ears. To minimize the effect, wear clothes made from natural materials.

### If the unit does not operate properly

- Reset the unit.
  - Connect the headset to a booted computer using the supplied micro-USB cable, then press the POWER and BASS EFFECT buttons simultaneously. The unit will be reset. Pairing information is not deleted.



- If the problem persists even after the resetting operation above, initialize the unit as follows.
  - Disconnect the micro-USB cable from the micro-USB port, turn off the unit, then hold down the POWER button and the  button simultaneously for more than 7 seconds. The indicator (blue) flashes 4 times, and the unit is reset to the factory settings. All pairing information is deleted.
- After the unit is initialized, it may not connect to your iPhone or computer. In this case, delete the pairing information of the unit from the iPhone or computer, and then pair them again.

### Others

- When you use the unit as wired headphones, use the supplied headphone cable only. Make sure that the headphone cable is firmly inserted.
- Do not place this unit in a place exposed to humidity, dust, soot or steam, subject to direct sunlight. Do not leave the unit in a car for a long time. It may cause a malfunction.
- Using the BLUETOOTH device may not function on mobile phones, depending on radio wave conditions and location where the equipment is being used.
- Listening with this unit at high volume may affect your hearing.
- For traffic safety, do not use the unit while driving or cycling.
- Do not use the unit in places where it would be dangerous if you are unable to hear ambient sound, such as at railroad crossings, train station platforms, and construction sites.
- Do not put weight or pressure on this unit as it may cause the unit to deform during long storage.
- Do not subject the unit to excessive shock.
- Clean the unit with a soft dry cloth.
- Do not expose the unit to water. The unit is not waterproof. Remember to follow the precautions below.
  - Be careful not to drop the unit into a sink or other container filled with water.
  - Do not use the unit in humid locations or bad weather, such as in the rain or snow.
  - Do not get the unit wet.

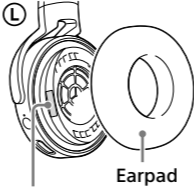
If you touch the unit with wet hands, or put the unit in a damp article of clothing, the unit may get wet and this may cause a malfunction of the unit.

- If you experience discomfort after using the unit, stop using the unit immediately.
- The earpads may deteriorate due to longterm storage or use.
- If you have any questions or problems concerning this unit that are not covered in this manual, please consult your nearest Sony dealer.

Optional replacement earpads can be ordered from your nearest authorized Sony retailer or [www.sony.com](http://www.sony.com).

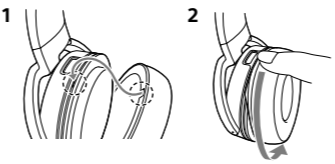
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### Location of the serial number label



Serial number label

### To attach the earpads



- Align the projection in the groove on the main part with the notch on the earpad.
- Place your finger at the notch, and then press and move your finger around the skirt of the earpad once to mount the skirt to the groove on the main part.

#### Note

Be careful not to catch any foreign objects between the main part and the earpad. Keep metal objects away as they may stick to the speakers in the headset.

## Compatible iPhone/iPod models

You can use the unit with only the following models. Update your iPod or iPhone to the latest software before use.

- iPhone 7
- iPhone 7 Plus
- iPhone SE
- iPhone 6s
- iPhone 6s Plus
- iPhone 6
- iPhone 6 Plus

- iPhone 5s
  - iPhone 5c
  - iPhone 5
  - iPod touch (6th generation)
- (As of December 2016)

## Specifications

### General

**Communication system:** BLUETOOTH Specification version 4.1

**Output:** BLUETOOTH Specification Power Class 2

**Maximum communication range:** Line of sight approx. 10 m (30 ft)<sup>1)</sup>

**Frequency band:** 2.4 GHz band (2.4000 GHz - 2.4835 GHz)

**Modulation method:** FHSS

**Compatible BLUETOOTH profiles<sup>2)</sup>:**

- A2DP (Advanced Audio Distribution Profile)
- AVRCP (Audio Video Remote Control Profile)
- HFP (Hands-free Profile)
- HSP (Headset Profile)

**Supported Codec<sup>3)</sup>:** SBC<sup>4)</sup>, AAC<sup>3)</sup>, aptX

**Supported content protection method:** SCMS-T

**Transmission range (A2DP):** 20 Hz - 20,000 Hz (Sampling frequency 44.1 kHz)

**Included items:**

- Wireless stereo headset (1)
- Micro-USB cable (approx. 50 cm (19 3/4 in.)) (1)
- Headphone cable (approx. 1.2 m (47 1/4 in.)) (1)
- Reference Guide (this sheet) (1)
- Operating Instructions (1)
- Other documents (1 set)

<sup>1)</sup> 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.

<sup>2)</sup> BLUETOOTH standard profiles indicate the purpose of BLUETOOTH communications between devices.

<sup>3)</sup> Codec: Audio signal compression and conversion format

<sup>4)</sup> Subband Codec

<sup>5)</sup> Advanced Audio Coding

### Wireless stereo headset

#### Power source:

DC 3.7 V: Built-in lithium-ion rechargeable battery

DC 5 V: When charged using USB

**Mass:** Approx. 280 g (10 oz)

**Operating temperature:** 0 °C to 40 °C (32 °F to 104 °F)

#### Usage hours:

When connecting via the BLUETOOTH device

Music playback time: Max. 18 hours

Communication time: Max. 18 hours

Standby time: Max. 200 hours

When connecting via the headphone cable with the unit turned on: Max. 18 hours

Note: Usage hours may be shorter depending on the Codec and the conditions of use.

#### Charging time:

Approx. 4 hours

About 6 hours of continuous communications is possible after 1 hour charging.

Note: Charging and usage hours may be different depending on the conditions of use.

**Charging temperature:** 5 °C to 35 °C (41 °F to 95 °F)

#### Receiver

**Type:** Closed, Dynamic

**Driver unit:** 40 mm

**Frequency response:** 3 Hz - 28,000 Hz

**Impedance:** 32 Ω (1 kHz) (when using the supplied headphone cable)

#### Sensitivity:

105 dB/mW (when using the supplied headphone cable)

#### Microphone

**Type:** Electret condenser

**Directivity:** Omni directional

**Effective frequency range:** 50 Hz - 8,000 Hz

## System requirements for battery charge using USB

Personal Computer with pre-installed with any of the following operating systems and USB port:

### Operating Systems

(when using Windows)

Windows® 10 Home / Windows® 10 Pro

Windows® 8.1 / Windows® 8.1 Pro

Windows® 8 / Windows® 8 Pro

Windows® 7

Home Basic / Home Premium / Professional / Ultimate

(when using Mac)

macOS (version.10.8 or later)

Design and specifications are subject to change without notice.

### Français

## AVERTISSEMENT

**Pour éviter tout risque d'électrocution, n'ouvrez pas le coffret. Ne confiez les réparations qu'à un technicien qualifié.**

**MISE EN GARDE : Risque d'incendie et de brûlures. Ne pas ouvrir, écraser, chauffer à plus de 60 °C ou incinérer.**

### Information

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : 1) l'appareil ne doit pas produire de brouillage; 2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles les radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement émet une énergie RF très faible qui est considérée comme conforme sans évaluation du débit d'absorption spécifique (DAS).

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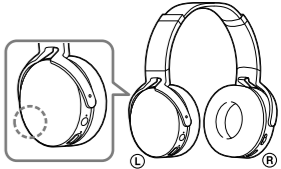
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## Précautions

### Communications BLUETOOTH

- La technologie sans fil BLUETOOTH fonctionne dans un rayon d'environ 10 m (30 pieds). La portée de communication maximale peut varier en fonction des obstacles (personnes, objets métalliques, murs, etc.) ou de l'environnement électromagnétique.

L'illustration ci-dessous indique l'emplacement de l'antenne intégrée sur l'appareil. Vous pouvez améliorer la sensibilité des communications BLUETOOTH en orientant l'antenne intégrée vers le périphérique BLUETOOTH connecté. Lorsque des obstacles se trouvent entre l'antenne du périphérique connecté et l'antenne intégrée de cet appareil, des parasites ou des pertes de niveau audio peuvent se produire, ou les communications peuvent être interrompues.



- Les communications BLUETOOTH peuvent être interrompues, ou bien des parasites ou des pertes de niveau audio peuvent se produire dans les conditions suivantes.

- Une personne se trouve entre l'appareil et le périphérique BLUETOOTH. Vous pourriez améliorer la situation en plaçant le périphérique BLUETOOTH face à l'antenne de l'appareil.
- Un obstacle, par exemple un objet métallique ou un mur, se trouve entre l'appareil et le périphérique BLUETOOTH.
- Un appareil utilisant une fréquence de 2,4 GHz, par exemple un périphérique Wi-Fi, un téléphone sans fil ou un four à micro-ondes, est utilisé à proximité de cet appareil.

- Comme les périphériques BLUETOOTH et Wi-Fi (IEEE802.11b/g/n) utilisent la même fréquence (2,4 GHz), des interférences en hyperfréquences peuvent se produire et entraîner des parasites, des pertes de niveau audio ou l'interruption des communications si cet appareil est utilisé à proximité d'un périphérique Wi-Fi. En pareil cas, prenez les mesures suivantes.
  - Utilisez cet appareil à une distance d'au moins 10 m (30 pieds) du périphérique Wi-Fi.
  - Si cet appareil est utilisé à moins de 10 m (30 pieds) d'un périphérique Wi-Fi, éteignez le périphérique Wi-Fi.
  - Installez cet appareil et le périphérique BLUETOOTH aussi près que possible l'un de l'autre.

- Les émissions d'hyperfréquences d'un périphérique BLUETOOTH peuvent perturber le fonctionnement des appareils médicaux électroniques. Pour éviter de causer un accident, éteignez cet appareil et les autres périphériques BLUETOOTH dans les endroits suivants :
  - en présence de gaz inflammable, dans un hôpital ou une station-service
  - à proximité de portes automatiques ou d'un avertisseur d'incendie

- Cet appareil émet des ondes radio lors de l'utilisation en mode sans fil. Lors de l'utilisation en mode sans fil dans un avion, suivez les instructions de l'équipage concernant l'utilisation permise des produits en mode sans fil.
- En raison des caractéristiques de la technologie sans fil BLUETOOTH, le son reproduit sur cet appareil est légèrement décalé par rapport au son en cours de lecture sur le périphérique BLUETOOTH pendant une conversation téléphonique ou l'écoute de la musique.
- Cet appareil prend en charge les caractéristiques de sécurité conformes à la norme BLUETOOTH pour offrir une connexion sécurisée lors de l'utilisation de la technologie sans fil BLUETOOTH; cependant, la sécurité pourrait être insuffisante selon le réglage. Soyez prudent lorsque vous communiquez au moyen de la technologie sans fil BLUETOOTH.

- Nous ne pouvons être tenus responsables de la fuite d'informations survenant lors de communications BLUETOOTH.
- La connexion ne peut pas être garantie avec tous les périphériques BLUETOOTH.
  - Un périphérique doté de la fonction BLUETOOTH est nécessaire pour la conformité à la norme BLUETOOTH spécifiée par Bluetooth SIG, Inc. et pour l'authentification.
  - Même si le périphérique connecté est conforme à la norme BLUETOOTH mentionnée précédemment, certains périphériques peuvent ne pas se connecter ou ne pas fonctionner correctement, selon leurs caractéristiques ou spécifications.
- Selon le périphérique ou l'environnement de communication, des parasites peuvent se produire lors des communications téléphoniques en mains libres.

