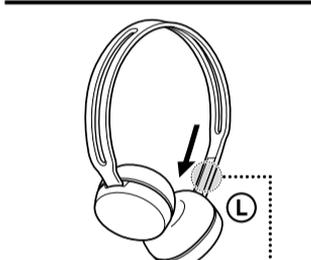
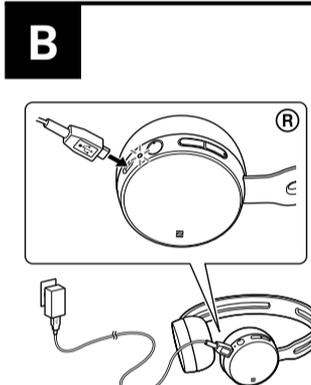
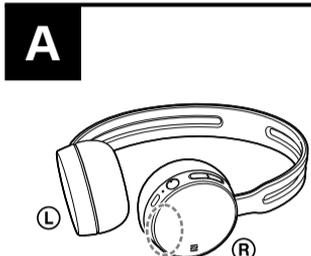
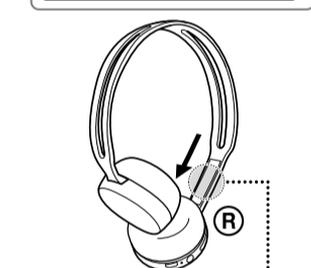


WH-CH400



WIRELESS STEREO HEADSET
MODEL:WH-CH400
5V --- MADE IN VIETNAM



EU Importer: Sony Europe Ltd.
Da Vincilaan 7-D1,
1935 Zaventem, Belgium
Sony Corporation

English

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. 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. Secondary cells and batteries need to be charged before use. Always 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.

Notice for customers: the following information is only applicable to equipment sold in countries applying EU directives

This product has been manufactured by or on behalf of Sony Corporation. EU Importer: Sony Europe Limited. Inquiries to the EU Importer or related to product compliance in Europe should be sent to the manufacturer's authorized representative, Sony Belgium, bijkantoor van Sony Europe Limited, Da Vincilaan 7-D1, 1935 Zaventem, Belgium.



Hereby, Sony Corporation declares that this equipment is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.compliance.sony.de/>



Disposal of waste batteries and electrical and electronic equipment (applicable in the European Union and other European countries with separate collection systems)

This symbol on the product, the battery or on the packaging indicates that the product and the battery shall not be treated as household waste. On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead. By ensuring these products and batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery and the electrical and electronic equipment will be treated properly, hand over these products at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment. 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 or battery.

The validity of the CE marking is restricted to only those countries where it is legally enforced, mainly in the countries EEA (European Economic Area).

The Bluetooth® word mark and logos are registered trademarks 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.

Windows is a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

Mac, OS X and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.

Android is a trademark of Google Inc.

Other trademarks and trade names are those of their respective owners.

Precautions

On BLUETOOTH® communications

- Bluetooth wireless technology operates within a range of about 10 m. Maximum communication range may vary depending on obstacles (human body, metal, wall, etc.) or electromagnetic environment.
- 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 aerial of the unit.
 - There is an obstacle, such as metal or a wall, between the unit and the Bluetooth device.
 - A Wi-Fi device or microwave oven is in use, or microwaves are emitted near the unit.
 - The aerial is built into the unit as illustrated in the dotted line (Fig. A). The sensitivity of the Bluetooth communications will improve by removing any obstacles between the connected Bluetooth device and the aerial of 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 away from the Wi-Fi device.
 - If this unit is used within 10 m 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.
- Due to the characteristic of the wireless technology, the sound played on this unit is delayed from the sound and music played on the sending device. Therefore, the image and sound may be misaligned when viewing a movie or playing a game.
- Do not use the unit on an airplane. Radio waves may affect instruments, causing an accident due to malfunction.
- 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.

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 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.

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 minimise the effect, wear clothes made from natural materials.

If the unit does not operate properly

- Reset the unit (Fig. E).
- When resetting this unit, charge the unit. When charging starts, this unit is reset automatically. The pairing information and the other settings are retained.
- 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 \odot and \ominus buttons 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.

On wearing the unit

- Because the headphones are of a high density enclosure, forcing them against your ears may result in eardrum damage. Pressing the headphones against your ears may produce a diaphragm click sound. This is not a malfunction.

Others

- Do not place this unit in a place exposed to humidity, dust, soot or steam, or in a car or place subject to direct sunlight.
- Using the Bluetooth device may not function on mobile phones, depending on radio wave conditions and location where the equipment is being used.
- High volume may affect your hearing.
- For traffic safety, do not use 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 long-term 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 Sony dealer.

Specifications

General

- Communication system:** Bluetooth Specification version 4.2
- Output:** Bluetooth Specification Power Class 2
- Maximum communication range:** Line of sight approx. 10 m¹⁾
- Frequency band:** 2.4 GHz band (2.4000 GHz - 2.4835 GHz)
- Operating frequency:** Bluetooth 2,400 MHz - 2,483.5 MHz NFC 13.56 MHz
- Maximum output power:** Bluetooth < 4 dBm
- Compatible Bluetooth profiles²⁾:** A2DP (Advanced Audio Distribution Profile) AVRCP (Audio Video Remote Control Profile) HFP (Hands-free Profile) HSP (Headset Profile)
- Supported Codecs³⁾:** SBC⁴⁾, AAC⁵⁾
- 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) (1)
 - Reference Guide (this sheet) (1)
 - Operating Instructions (1)
 - Other documents (1 set)

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 communications between devices.
³⁾ Codec: Audio signal compression and conversion format
⁴⁾ Subband Codec
⁵⁾ 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. 107 g
- Operating temperature:** 0 °C to 40 °C
- Rated power consumption:** 0.7 W
- Usage hours:**
 - When connecting via the Bluetooth device
 - Music playback time: Max. 20 hours
 - Communication time: Max. 20 hours
 - Standby time: Max. 200 hours
 - Note: Usage hours may be shorter depending on the Codec and the conditions of use.
- Charging time:**
 - Approx. 4.5 hours (About 60 minutes of music playback is possible after 15 minutes charging.)
 - Note: Charging hours may be different depending on the conditions of use.
- Charging temperature:** 5 °C to 35 °C

Receiver

- Type:** Closed, Dynamic
- Driver unit:** 30 mm

Microphone

- Type:** Electret condenser
- Directivity:** Omni directional
- Effective frequency range:** 100 Hz - 8,000 Hz

System requirements for battery charge using USB

USB AC adaptor

A commercially available USB AC adaptor capable of feeding in more than 0.5 A (500 mA)

Personal Computer

(As of November 2017)
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)
Mac OS X (version 10.9 or later)

Design and specifications are subject to change without notice.