

Noise Canceling Headphones

Operating Instructions **US**

Mode d'emploi **FR**

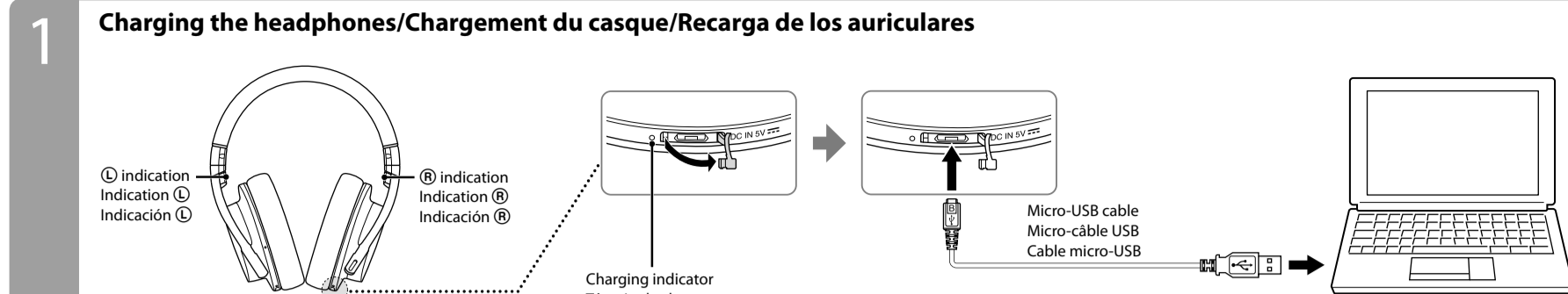
Manual de instrucciones **ES**

DIGITAL NC

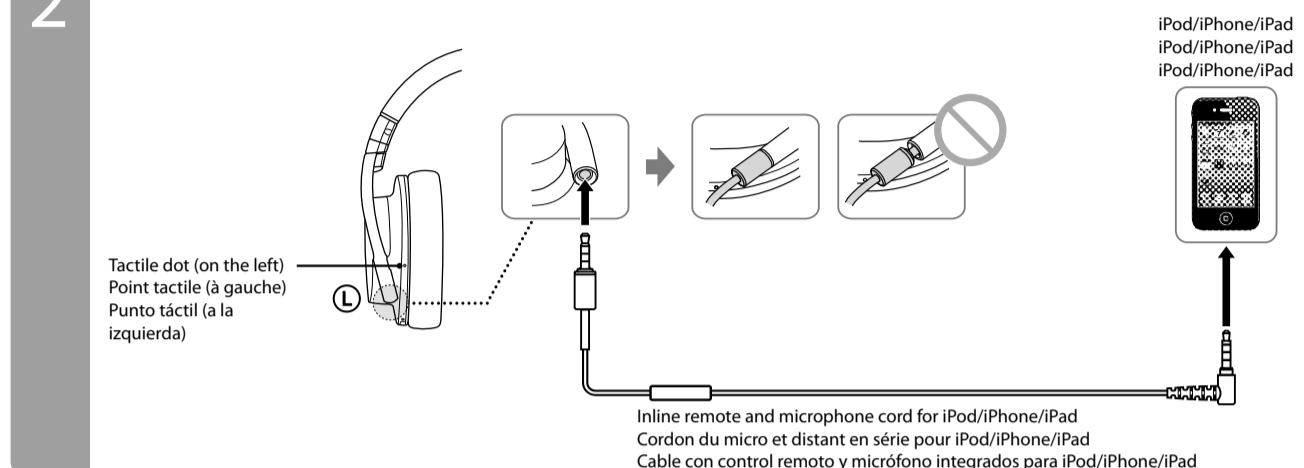


MDR-1RNC

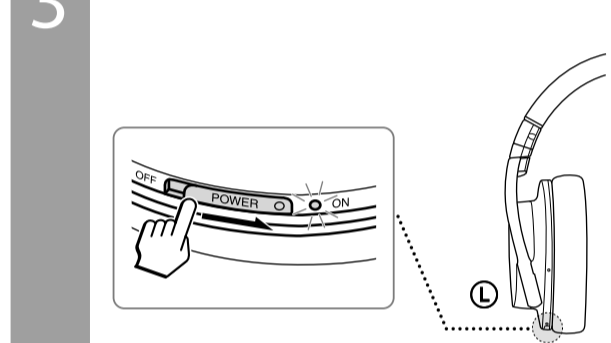
How to use/Mode d'utilisation/Modo de uso



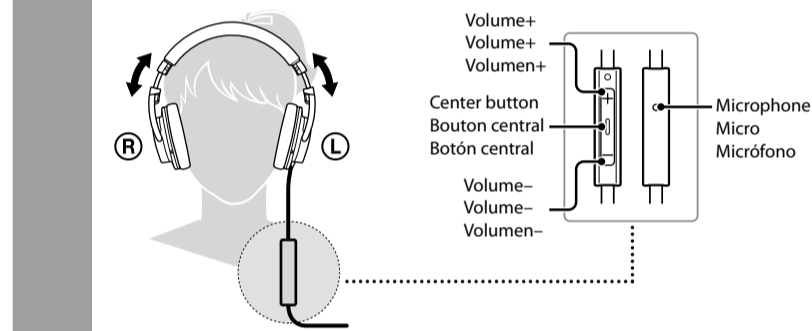
2 Connecting/Raccordement/Conexión



3 Turning on the power/Mise sous tension/Encendido



4 Wearing and controlling/Port et contrôle/Colocación y control



After use

Turn off the power of the headphones

Après utilisation

Eteignez le casque

Después del uso

Apague los auriculares

Included items

- Headphones (1)
- Inline remote and microphone cord for iPod/iPhone/iPad (1.2 m (47 1/4 in) cord, using PCOCC, four-conductor gold plated L-shaped stereo mini plug) (1)
- Micro-USB cable (1.5 m (59 1/8 in)) (1)
- Carrying case (1)
- Operating Instructions (1)
- Warranty card (1)

Recommended accessory (sold separately) ⁶⁾

USB AC Adaptor: AC-UD20

- ¹⁾ Under the Sony measurement standard.
- ²⁾ Equivalent to approx. 99.7% reduction of energy of sound compared with not wearing headphones.
- ³⁾ At 1 kHz, 0.1 mW + 0.1 mW output
- ⁴⁾ Hours required to fully charge an empty battery
- ⁵⁾ Time stated above may vary, depending on the temperature or conditions of use.
- ⁶⁾ Availability depends on the country.

Design and specifications are subject to change without notice.

Compatible iPod/iPhone/iPad models

You can use the headphones with only the following models supporting remote control. Update your iPod, iPhone or iPad to the latest software before use. In the Operating Instructions, iPod, iPhone and iPad are collectively described as "iPod" except in special cases.

- iPod touch (4th generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)
- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod classic 120GB 160GB (2009)
- iPod shuffle (4th generation)
- iPod shuffle (3rd generation)
- iPhone 4S
- iPhone 4
- iPhone 3GS
- iPad (3rd generation)
- iPad 2
- iPad

On copyright

iPad, iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

"Made for iPod", "Made for iPhone", and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

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® 7 (Home Premium / Professional / Ultimate / Starter) (including 64 bit version)
 - Windows Vista® (Service Pack 2 or later) (Home Basic / Home Premium / Business / Ultimate) (including 64 bit version)
 - Windows® XP (Service Pack 3 or later) (Home Edition / Professional / Media Center Edition 2004 / Media Center Edition 2005)
- When using Macintosh
 - Mac OS X (version.10.5 or later)

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4-448-091-41(1)

English Noise Canceling Headphones

WARNING

Do not expose the battery to excessive heat such as direct sunlight, fire or the like.

For customers in the USA

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

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

If you have any questions about this product, you may call: Sony Customer Information Service Center 1-800-222-7669 or http://www.sony.com/

Declaration of Conformity

Trade Name: SONY
 Model No.: MDR-1RNC
 Responsible Party: Sony Electronics Inc.
 Address: 16530 Via Esprillo, San Diego, CA 92127 USA
 Telephone No.: 858-942-2230

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.

For customers in Canada

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).

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

Checking the remaining battery

Status	POWER Indicator	Beep sound
Full	Blinks 3 times *	No beep
$\frac{1}{4}$	Blinks 2 times *	No beep
Low	Blinks 1 time *	No beep
Empty	Blinks quickly (30 seconds)	Long beep (2 seconds)

* When turning off the power of the headphones.

Checking the charging status

Status	Charging indicator
Charging	On
Full	Off
Charging malfunction	Blinks

Using the Center button (Inline remote and microphone cord for iPod/iPhone/iPad)

Operation	Explanation
Single press	Plays/pauses a track of the connected iPod.
Double press	Skips to the next track.
Triple press	Skips to the previous track.
Long press	Starts the "VoiceOver**" feature (if available).
Press once when call is incoming	Answers the call.
Press again	Ends the call.
Hold down for about two seconds and release	Rejects an incoming call (two low beeps confirm the call was rejected).

* Availability of the "VoiceOver" feature depends on iPod and its software version.

Note

Be careful not to unintentionally press any buttons when you carry your iPod with this headphones connected.

Automatic AI Noise Canceling

The Automatic AI Noise Canceling function constantly analyzes environmental ambient sound components and automatically selects the most effective noise canceling mode.

Noise canceling mode types

- NC Mode A: Noise mainly in an airplane is effectively reduced.
- NC Mode B: Noise mainly in a bus or a train is effectively reduced.
- NC Mode C: Noise mainly found in an office environment (PC, copier, air ventilation, etc.) is effectively reduced.

Tips

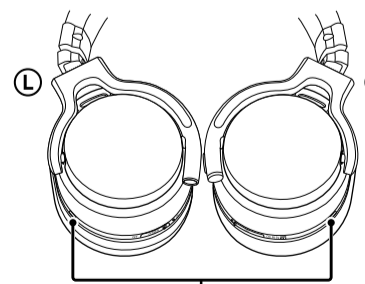
- When the headphones are turned on, NC Mode A is set.
- It may take a few seconds to analyze the environmental ambient sound.

Notes on use

The noise canceling circuit actually senses outside noise with built-in microphones and sends an equal-but-opposite canceling signal to the headphones.

Notes on the noise canceling function

- Adjust the earpads so that they cover your ears, otherwise noise canceling will not function properly.
- The noise canceling effect may vary depending on how you wear the headphones.
- Do not cover the microphone of the headphones with your hands. The noise canceling function may not work properly.



- After you turn on the power of the headphones, you may hear a slight hiss. This is the operating sound of the noise canceling function, not a malfunction.
- The noise canceling function works for noise in the low frequency band primarily. Although noise is reduced, it is not canceled completely.
- The noise canceling effect may not be pronounced in a very quiet environment, or some noise may be heard.
- When you use the headphones in a train or a car, noise may occur depending on street conditions.
- Howling may occur if you do not wear the headphones correctly.

Howling may occur if you place an object such as finger close to inside of the headphones. Keep it away from the headphones.

- Mobile phones may cause interference and noise. Should this occur, locate the headphones further away from the mobile phone.

Notes on using on the airplane

Do not use the headphones when use of electronic equipment is prohibited or when use of personal headphones for in-flight entertainment services is prohibited.

Notes on charging the headphones

- Charge the headphones using the supplied micro-USB cable. Otherwise, it may cause a malfunction.
- Charge in an environmental temperature of between 5°C and 35°C. Otherwise, the battery may not fully charge.
- Do not store the headphones in hot places for a long time. When storing it for more than a year, charge the battery once a year to prevent over discharge.
- For system requirements for a computer that can charge the battery using USB, see "System requirements for battery charge using USB".
- If you recharge the headphones by connecting to an AC outlet, use the separately-sold USB AC Adaptor specific in "Recommended accessory (sold separately)". For details, refer to the operating instructions supplied with the adaptor.
- If the headphones are malfunctioning, charging will not start and the charging indicator will blink. In this case, disconnect the unit from the connected device, and consult your place of purchase, or a Sony dealer.

Notes on handling

- Because the headphones are designed to fit closely in your ears, forcing them against your ears may result in eardrum damage. Avoid using the headphones where they are liable to be struck by people or other objects, such as a ball, etc.
- Pressing the headphones against your ears may produce a diaphragm click sound. This is not a malfunction.
- Clean the headphones with a soft dry cloth.
- Do not leave the plug dirty otherwise the sound may be distorted.
- Be sure to consult a Sony dealer when the earpads become dirty or damaged, or when the headphones require repair work.
- Do not leave the headphones in a location subject to direct sunlight, heat or moisture.
- Do not subject the headphones to excessive shock.
- Handle the driver units carefully.
- If you feel drowsy or sick while using this headphones, stop use immediately.

Notes on headphones

- High volume may affect your hearing. For traffic safety, do not use while driving or cycling.



As headphones reduce outside sounds, they may cause a traffic accident. Also, avoid listening with your headphones in situations where hearing must not be impaired, for example, a railroad crossing, a construction site, etc.

Note on static electricity

In particularly dry air conditions, noise or sound skipping may occur, or mild tingling may be felt on your ears. This is a result of static electricity accumulated in the body, and not a malfunction of the headphones. The effect can be minimized by wearing clothes made from natural materials.

If you have any questions or problems concerning the system that are not covered in this manual, please consult the nearest Sony dealer.

Troubleshooting

No sound

- Recharge the headphones.
- You can listen to the music using the headphones even when the POWER switch is set to "OFF". In this case, the noise canceling function, Digital Equalizer, S-Master and DSEE are not active, and the headphones operate as passive headphones.
- Check that the rechargeable battery is not depleted.
- Check the connection of the headphones and the equipment.
- Check that the connected equipment is turned on.
- Turn up the volume of the connected equipment.

The noise canceling effect is not sufficient

- The noise canceling function is effective in low frequency ranges such as airplanes, trains, or offices (near air-conditioning, etc.) and is not as effective for higher frequencies, such as human voices.
- Turn on the headphones.

Distorted sound

- Turn down the volume of the connected equipment.
- Recharge the headphones.

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