



www.miracle-ear.com

^{Made for} **≰**iPhone | iPad | iPod

> 21025075 Rev 1 17164USRB

CONTENT

Welcome	
Your hearing aids	4
Daily use	8
Telephone and streaming	1
Maintenance and care	17
Storage and transportation	18
Warranty and service	20

¿Necesita un manual de usuario en español?

Solicite uno a su audioprotesista o descárguelo de Miracle-Ear.com/manuals

Spanish and English User Manuals are available digitally at Miracle-Ear.com/manuals



Miracle-Ear® User Manuals

WELCOME

Thank you for choosing Miracle-Ear* hearing aids to help you live life to the fullest. We're excited to be on this journey with you.

This manual, along with support from your Hearing Care Professional will help you learn to become familiar with your hearing aids and experience a greater quality of life.

i

Your hearing aid may not look exactly like the illustrations shown within this manual.

CAUTION



It is important to read the Regulatory & Safety Information and User Manual thoroughly and completely. Follow the safety information to avoid damage or injury.



This manual describes all optional features that your hearing aids may or may not have. Confirm which options are valid for your hearing aids.

YOUR HEARING AIDS

Instrument type

Miracle-Ear**MINI™** RF 10 XP Hearing Aids

Your hearing aids are worn directly in the ear canal. The wireless functionality enables advanced audiological features and synchronization between your two hearing aids.

Your hearing aids have no controls.

Ask your Hearing Care Specialist if a smartphone app to control your hearing aids is available.

Getting to know your hearing aids

We recommend you familiarize yourself with your new hearing aids.

Components and names



- 1 Ear piece (Click Sleeve)
- 2 Microphone
- 3 Battery compartment (on/off switch)
- 4 Removal cord

CROS TRANSMITTER

Two Solutions are available:

CROS solution:

For people with normal hearing in one ear and profound hearing loss in the other. Sounds from the side with hearing loss are captured and transmitted wirelessly to the good-hearing side.

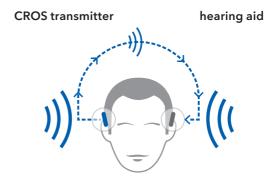
BiCROS solution:

For people with profound hearing loss in one ear and less severe hearing loss in the other. Sounds from the more severe hearing loss side are captured and transmitted wirelessly to the better-hearing side. The hearing aid processes and amplifies the sounds from both sides.

The CROS transmitter works with specific wireless hearing aids. Your Hearing Care Professional will advise you on the compatible models.

For individuals using a CROS transmitter

CROS solutions are designed for people with profound hearing loss in one ear which cannot be aided with a hearing aid. A CROS transmitter worn on the non-aided ear captures sound from the applicable side and transmits it to the hearing aid on the ear with aidable loss when using a hearing aid. This allows the wearer of the hearing aid to hear sounds from both sides.



Hearing programs

Your Hearing Care Professional can set custom programs for your hearing aids. Discuss the programs that best meet your lifestyle needs so they can create custom hearing programs for you.

1			
2			
3			
4			
5			
6			

Read more in section "Changing the hearing program."

Features

- O Power-on delay enables whistle-free insertion of hearing aids. Read more in section "Turning on and off".
- O The tinnitus control feature generates a sound to distract you from your tinnitus..

Signal tones

Signal tones of the CROS transmitter -like a low battery beep - are sent to the hearing instrument.

Ask your Hearing Care Professional to configure the signal tones.

DAILY USE

Inserting and removing the hearing aids

Your hearing aids have been programmed to your right and left ear. Colored markers indicate the correct side:



CAUTION

Risk of injury!

- ▶ Always wear the hearing aid with an ear piece.
- Make sure that the ear piece is completely attached.

Inserting a hearing aid:

For sleeves, take care that the bend of the sleeve is in line with the bend of the receiver cable.

Your hearing aids have been programmed to your right and left ear.

Colored markers indicate the correct side:

- ► "R" = right ear
- ► "L" = left ear

Take care that the flap of the Click Sleeve matches the line printed on the hearing aid.

correct



incorrect



Hold the hearing aid correctly before inserting it: Pay special attention to the removal cord indicating the bottom. The arrow which is printed on the hearing aid must point upwards.



- ► Carefully push the hearing aid into the ear canal.
- ► Twist it slightly until it sits well.

Open and close your mouth to avoid accumulation of air in the ear canal.



CAUTION

Risk of injury!

Insert the ear piece carefully and not too deeply into the ear.



- i
- ▶ It may be helpful to insert the right hearing aid with the right hand and the left hearing aid with the left hand.
- If you have problems inserting the hearing aid, use the other hand to gently pull your earlobe downwards. This opens the ear canal and eases insertion of the hearing aid.

Removing a hearing aid:



NOTICE

Never pull on the battery compartment door to remove the hearing aid. This could damage your hearing aid.

- ▶ Push lightly on the back of your ear to loosen the hearing aid.
- ▶ Remove the hearing aid by pulling the removal cord forward.



CAUTION

Risk of injury!

▶ In very rare cases the ear piece could remain in your ear when removing the hearing aid. If this happens, have the ear piece removed by a medical professional.

Clean and dry your hearing aids after usage. Read more in section "Maintenance and care".

Turning on and off

The following options are available to turn your hearing aids on and off.

Via battery compartment:

- > Turn On: Close the battery compartment.

 The default volume and hearing program are set.
- > Turn Off: open the battery compartment fully.

When wearing the hearing aids, an alert tone can indicate when an instrument is being turned on or off.

When the power-on delay is activated, the hearing aids turn on after a delay of several seconds. During this time, you can insert the hearing aids into your ears without experiencing unpleasant feedback whistling.

The "power-on delay" can be activated by your Hearing Care Specialist.

Adjusting volume

Your hearing aids automatically adjust the volume to your situation.

If you prefer manual volume adjustment, use a remote control option.

An optional signal can indicate the volume change.

Changing hearing programs

Your hearing aids automatically adjust their sound based on your listening situation.

However, your hearing aids may also have several hearing programs set up by your Hearing Care Professional which allow you to make adjustments based on specific situations such as at a restaurant.

To change the hearing program manually, use a remote control option.

BATTERIES

When the battery is low the sound becomes weaker or you will hear an alert signal. The battery type will determine how long you have to replace the battery.

Battery size and handling tips

Ask your Hearing Care Specialist for recommended batteries.

Battery size: 10

- Always use the correct battery size for your hearing aids.
- Remove the batteries if you do not intend to use the hearing aids for several days.
- Always carry spare batteries.
- Remove empty batteries immediately and follow your local recycling rules for battery disposal.

When the battery is low the sound becomes weaker or you will hear an alert signal. The battery type will determine how long you have to replace the battery.

Replacing batteries

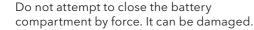
Removing the battery:

- ▶ Open the battery compartment.
- ▶ Remove the battery by hand.



Inserting the battery:

- ▶ If the battery has a protective film, remove it only when you are ready to use the battery.
- when you are ready to use the battery.Insert the battery with the "+" symbol facing upwards.
- ► Carefully close the battery compartment. If you feel resistance, the battery is not inserted correctly.





Troubleshooting for hearing aid

Problem and possible solutions

Sound is weak.

- ▶ Gently close the battery compartment completely.
- ► Clean the hearing aid.
- Replace the empty battery.
- ► Clean or exchange the ear piece.

Hearing aid emits whistling sounds.

- ▶ Reinsert the hearing aid until it fits securely.
- ► Clean or exchange the ear piece.

Sound is distorted.

- ► Replace the empty battery.
- ► Clean or exchange the ear piece.

Hearing aid emits signal tones.

▶ Replace the empty battery.

Hearing aid does not work.

- ► Turn the hearing aid on.
- ▶ Gently close the battery compartment completely.
- ▶ Replace the empty battery.
- ▶ Make sure the battery is inserted correctly.
- ▶ Power-on delay is active. Wait several seconds and check again.

17

Consult your Hearing Care Professional if you encounter further problems.

TELEPHONE AND SMARTPHONE USE

On the phone

When you are on the phone, turn the receiver slightly so that it does not completely cover your ear.



Telephone program

You may prefer a certain volume when using the phone. Ask your Hearing Care Specialist to configure a telephone program.

Switch to the telephone program whenever you are on the phone.

MAINTENANCE AND CARE

Follow these guidelines to care for your hearing aids.

Cleaning casing

For hygiene reasons and to maintain functionality, clean your hearing aids daily.

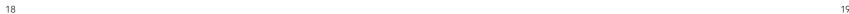
- ► Clean your hearing aids daily with a soft, dry cloth or tissue
- Never use running water or immerse hearing aids in water
- ▶ Never apply pressure while cleaning
- ▶ Do not use alcohol solvent on the charging contacts

Cleaning earpieces

Cerumen (ear wax) may accumulate on earpieces and affect sound. Clean all types of earpieces daily:

- ► Clean the earpiece right after removal with a soft and dry tissue. This prevents cerumen from becoming dry and hard.
- ► Squeeze the tip of the earpiece





Drying and Storage

Dry your hearing aids overnight.

- ► For longer periods of non-use, store your hearing aids in a dry environment with an open battery compartment and the batteries removed
- ▶ Ask your Hearing Care Specialist for more information.

Operating, transport, and storage conditions

The hearing aids operate in the following environmental conditions:

Operating conditions	Discharging
Temperature	0-50°C (32-122°F)
Relative humidity	5-93%
Atmospheric pressure	700-1060 hPa

During extended periods of transport and storage, please observe the following conditions

	Storage	Transport
Temperature (recommended)	10-25°C (50-77°F)	-20-60°C (-4-140°F)
Temperature (maximum range)	10-40°C (50-104°F)	-20-60°C (-4-140°F)
Relative humidity (recommended)	20-80%	5-90%
Relative humidity (maximum range)	10-80%	5-90%
Atmospheric pressure	700-1060 hPa	700-1060 hPa

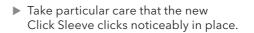
Exchanging Click Sleeves

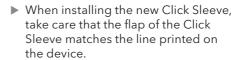
Exchange standard earpieces approximately every three months.

Replace them sooner if you notice cracks or other changes.

The procedure for exchanging standard earpieces depends on the type of earpiece. Ask your Hearing Care Specialist which type of earpiece is appropriate for you.

Grip the Click Sleeve with your fingers and pull it off. If you cannot grip it, turn it inside out and then pull it off.









Exchanging Click Domes

If you have problems removing the old Click Dome, follow the instructions on the packaging of the Click Domes.



➤ Take particular care that the new Click Dome attaches with a noticeable "click".



Professional maintenance

Your Hearing Care Specialist can perform a thorough professional cleaning and maintenance. Ask your Hearing Care Specialist for recommended maintenance intervals and support.

WARRANTY AND SERVICE

Your hearing aid, with the exception of the battery, is covered by a comprehensive warranty. All covered instrument parts received for warranty service at an authorized service center will be repaired or replaced with new or reconditioned components, without charge, to meet the performance specifications for that model.

This warranty does not cover malfunctions due to unusual wear and tear or mistreatment of the instrument such as physical shock, excessive wax build-up, or tampering with the instrument, any of which voids all warranties. Your Hearing Care Professional may charge a service fee for processing warranty service.

Warranty service must only be performed by an authorized service cent. Service performed by unauthorized service depots voids this warranty, and repairs so necessitated will be done on a parts and labor cost basis.

Please refer to the warranty card included with your hearing aids for warranty period effective dates.

Your hearing aids may have additional loss and damage coverage. Please consult your Hearing Care Professional to determine if this is applicable to your hearing aids.



WARNING

Use of accessories, components or replacement parts other than those provided by the manufacturer of your hearing aids could result in increased electromagnetic emissions and decreased electromagnetic immunity and could result in degradation of performance.

For service and warranty support, please contact your local Miracle-Ear* Hearing Care Professional.

If your location is not available, or you need additional support, contact Miracle-Ear Customer Support 800-241-1372.

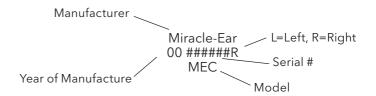
IDENTIFICATION INFORMATION

Your hearing aids have a serial number imprinted on them. The location of the serial number will vary according to the style of hearing aid. Record the serial number in your user guide for future reference.

The year of manufacture is incorporated in the serial number. For custom aids, the year of manufacture is derived from the first two digits.

Please note the warranty is based upon the date of purchase, not the date of manufacture.

Your Audiologist or Hearing Care Professional can answer any questions you may have about the identifying code on your hearing aid.





Distributed By Miracle-Ear, Inc. 150 South Fifth Street, Suite 2300 Minneapolis, MN 55402 www.miracle-ear.com

Information in this manual subject to change without notice.

Copyright ©2023 Miracle-Ear, Inc.

Hearing aid made in Singapor

FLIP BOOK FOR IMPORTANT SAFETY INFORMATION

PRODUCT USER MANUAL



Distributed By Miracle-Ear, Inc. 150 South Fifth Street, Suite 2300 Minneapolis, MN 55402 www.miracle-ear.com

Information in this manual subject to change without notice. Copyright ©2023 Miracle-Ear, Inc.

əroqagni2 ni əbam bia gniraəH

For hearing sids with a magnet in the battery compartment

WARNING

There is a magnet in the battery compartment, therefore if you wear implants: Risk of interference with active and non-active implants!

- ➤ Verify the electromagnetic compatibility prior to use
- > Consult with the implant physician before using your hearing aids.
- hearing aids. A Keep a safe distance of about 4 cm (1.6 inches) between the implant and

Instant fit, customs, IIC, CIC and ITC models

The hearing aid is placed within the ear canal.



Risk of injury! **NOITUAD**

Insert the ear piece carefully and not too deeply into the ear.

professional. the hearing aid. If this happens, have the ear piece removed by a medical In very rare cases the ear piece could remain in your ear when removing

For hearing sids with AutoPhone magnet for Telecoil

Keep magnets away from computers, monitors, television sets, storage media and other electronic equipment/devices.	
NOTICE Magnets can disturb electrical devices and delete stored data.	Ţ
➤ Do not store your RIC hearing aids and a smartphone with attached AutoPhone magnet together in a small pocket or box.	
➤ Keep a minimum distance of 2 cm (0.8 inches) between the RIC receiver and any magnet, including the AutoPhone magnet.	
NOTICE In Close proximity, AutoPhone magnets can damage receiver units of RIC hearing sids.	İ
➤ Keep magnets away from computers, monitors, television sets, storage media and other electronic equipment/devices.	
NOTICE Magnets can disturb electrical devices and delete stored data.	Ţ
➤ Use a magnet only when it is a safe distance away from life support systems such as pacemakers or magnetic valves. The safe distance between pacemaker and magnet should be at least 10 cm (4 inches).	
WARNING Risk of affecting life support systems!	$\overline{\mathbf{W}}$

A Hearing Care Professional should advise a prospective tinnitus feature user to consult promptly with a licensed physician (preferably an ear specialist) before using the tinnitus feature if the Hearing Care Professional determines through inquiry, actual observation, or review or any other available information concerning the prospective user that the prospective user has any of the following conditions:

- Visible congenital or traumatic deformity of the ear.
- History of active drainage from the ear within the previous 90 days.
- History of sudden or rapidly progressive hearing loss within the previous
- 90 days. • Acute or chronic dizziness.
- Unilateral hearing loss of sudden or recent onset within the previous

syab 09

NOTICE

Important Notice for Prospective Sound Generator Users

Your hearing aids are designed to comply with international standards of electromagnetic compatibility but interference with nearby electronic devices could occur. In this case, move away from the source of the interference.

Good health practice requires that a person with tinnitus have a medical evaluation by a licensed physician (preferably a physician who specializes in diseases of the ear) before using a sound generator. Licensed physicians who specialize in diseases of the ear are often referred to as otolaryngologists, otologists or otorhinolaryngologists.

The purpose of a medical evaluation is to assure that all medically treatable conditions that may affect tinnitus are identified and treated before the sound generator instrument is used.

FOR HEARING AIDS WITH TINNITUS FEATURE

Your hearing aid may be equipped with tinnitus therapy, an instrument intended to generate noise of sufficient intensity and bandwidth to treat ringing in the ears. It can also be used as an aid in hearing external sounds and speech. It is recommended that this tool be used with appropriate counseling and/or in a tinnitus management program to relieve patients suffering from tinnitus. As with any hearing aid, misuse of the tinnitus therapy instrument could present some potentially harmful effects.

TINNITUS THERAPY CONCEPTS AND BENEFITS

- May be used as a part of a tinnitus treatment program
- Plays a white noise through the hearing sid
 Programmed according to your hearing loss needs and preferences
- May provide temporary relief of your tinnitus



Risk of exceeding noise exposure limits.

If set to the maximum output level and worn for periods of time exceeding the recommendations below, your exposure to sound energy has the potential to exceed noise exposure limits. You should not use your hearing aid for more than sixteen (16) hours a day if your hearing aid is set at the maximum output level, nor should you use your hearing aid if your Miracle-Ear* Hearing Care Professional has set the hearing aid at levels that exceed your comfort level.

When using remote control apps

When using an app for controlling hearing aids:

W /

DNINAAW

Risk of hearing damage!

The device with the app for controlling hearing aids generates short control signals which may be audible. If the device running the app has a very high audio output there is the risk of hearing damage.

:qqs əht gnisu əlihW

➤ Do not hold the loudspeaker of the device to your ears or the ears of others.

▶ Do not use the device with headphones, headsets or other audio playback devices.

Ŵ

FOR HEARING AIDS WITH WIRELESS FUNCTIONALITY

WARNING Bisk of affecting

Risk of affecting electronic equipment!

► In areas where the use of electronics or wireless devices are restricted, verify if your device must be turned off.



DNINAAW

Interference with implantable devices

➤ The device can be used with all electronic implants that comply with the

- ANSI/AAMI/ISO 14117:2012 Electromagnetic compatibility standard for human implants.
- ➤ In case your implant does not comply with the AUSI/AAMI/ISO 14117:2012 standard, consult the manufacturer of your implantable device for information about the risk of disturbance.



NOTICE

Your hearing aids are designed to comply with international standards of electromagnetic compatibility but interference with nearby electronic devices could occur. In this case, move away from the source of the interference.

In some countries restrictions for the usage of wireless equipment exist.
 Refer to local authorities for further information.

Devices with the FCC marking comply with the standards of the FCC regarding electromagnetic interference (only for products with wireless functionality).

SAFETY WARNINGS

DNINAW

Risk of impairing the residual hearing of the user.

➤ Use only hearing that have been fitted to your needs.



DNINAAW

Your hearing sids may reduce some background sounds potentially traffic or warning signals.



WARNING

This product can expose you to nickel which is known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



WARNING

Choking hazard! Your hearing aids o

- Your hearing aids contain small parts which can be swallowed. > Keep hearing aids, batteries, and accessories out of reach of children and mentally disabled persons.
- ➤ For some types of button batteries, severe or fatal injuries can occur in 2 hours or less, if it is swallowed or placed inside any part of the body.
- ➤ If parts have been swallowed, consult a physician or hospital immediately. If a battery has been swallowed, call the 24-hour National Battery Ingestion Hotline immediately at 1-800-498-8666.

Sontra-indications



WARNING

In case of known contact allergy, consult the hearing aid manufacturer regarding the presence of allergens before using the hearing aid, immediately allergic reaction develops after wearing the hearing aid, immediately discontinue use and consult a licensed physician.

SAFETY WARNINGS

WARNING

to burst. Incorrect use of the hearing aid can cause lithium-ion rechargeable battery A lithium-ion rechargeable battery may be built into your hearing aid.

If relevant, follow safety instructions for lithium-ion rechargeable battery.

WARNING

Risk of electric shock!

WARNING

IFC90950-1 and/or IEC62368-1. Connect the charger only with a USB power supply which complies with

when applying make-up, pertume, attershave, hairspray, or suntan lotion. Protect your hearing aids from high humidity. Do not wear in the shower or sunlight (e.g. fire, microwave, induction oven or other high induction fields) > Pay special attention to protect your hearing aid from extreme heat and

Observe the operating conditions appropriate for your hearing aid model:

- Charge your hearing aids only in approved charger.
- Do not modify this product without authorization from the manufacturer.
- ➤ Do not use hearing aids that are deformed or obviously damaged. ➤ Do not use the hearing aid in explosive atmospheres (e.g. mining areas).
- ➤ Do not use hearing aids when its performance after charging reduces
- ➤ Do not dry hearings aids in the microwave oven. considerably. Return the hearing aid to your hearing care professional.
- ➤ Do not dispose of the hearing aid in fire or water.
- Replacements and repair must be performed by a professional.
- ➤ Do not repair or replace the lithium-ion rechargeable battery yourself.
- exploding, keep all combustible materials away. > In the unlikely event of a lithium-ion rechargeable battery bursting or

a serious incident, report the occurrence to the manufacturer of the device. In any of the above cases, contact your Hearing Care Professional. In case of

International standards

NOTICE

distance between the hearing aid and that device. unwanted noise in the vicinity of such device, you should increase the surveillance systems may cause audible interference. If you encounter anti-theft systems and metal detectors) cellular telephones, RFID, room example some induction cookers, electromagnetic security systems (e.g. guaranteed that all products on the market work interference-free, for Your devices comply with international standards However, it cannot be

Use on Aircrafts

to other personal electronic instruments on an aircraft. can be used on an aircraft as hearing aids are exempt from the rules applied The optional wireless capabilities that may be featured in your hearing aids

Expected service lifetime

are expected to remain safe for use for this duration. The hearing aids are designed for an expected service life of 5 years. They

SAFETY INFORMATION

esn pepuetul

nset guides. Use the hearing aids and accessories only as described in the respective hearing health specialists, e.g. acousticians, audiologists or ENI doctors. persons. Diagnosis and prescription of a hearing aid must be performed by Hearing aids are intended to improve the hearing of hearing impaired

Classification

tactories. explosive atmospheres that may be found in coal mines or certain chemical 60601-1 medical devices standard. They are not certified to operate in Your hearing aids are classified as a Type B applied part under the IEC

Medical device interference

airport security, does not damage the hearing aids. electrocautery, HF-surgery). Weaker radiation, e.g. from radio equipment or during these or similar procedures like electrosurgery (diathermy, examinations, may damage hearing aids. Do not wear the hearing aids Different types of strong radiation, e.g. during X-ray or MRI head

OLD ELECTRONICS INSTRUCTIONS FOR DISPOSAL OF

electronics recycling/disposal process. may require, that your hearing aids and charger be disposed of via your local Miracle-Ear" encourages, the EU requires, and your local community laws

and/or charger. personnel. Please include this manual when disposing of your hearing aids The instructions below are provided for the benefit of disposal/recycling

FOR DISPOSAL/RECYCLING PERSONNEL ONLY.

:suoitdo owt To remove the Lithium-ion Polymer battery from the chargers, follow one of

I noitqO

- Insert pry bars between the plastic and the USB metal housing
- Pry apart to break the seam. (mottod bns qot)
- Clip battery wires and dispose battery.

Option 2

limit guide so entrance over 3/32 inch beyond the outer shell is prevented. blade, ultrasonic knife, hot wire, or band saw blade in each case, establish a Using the style groove as a guide, sever the plastic case on all 4 sides with a

Clip battery wires and dispose battery.

^{*}Applies to rechargeable hearing aids

Data is stored inside the hearing aid. This contains:

- The audiogram
- The average daily wearing
- in a noisy environment, in an environment with speech, in a car and percentage of the wearing time you were in a quiet environment, The frequency distribution of acoustic environments (i.e., what
- The different noise levels (including wind noise) within the last 24 hours how often you listened to music)
- The average frequency of changes to user controls
- The average frequency that algorithms in hearing aids are actively in
- An identification number. oberation
- this information will not be read out without your consent. without your consent. Also, when you send in your device for service, fitting for you. However, he/she will not read out this information devices. This information may help your acoustician provide the optimal connected to you) in order to improve the quality of future hearing in separate databases in anonymized form (meaning, it cannot be Part of the information inside your hearing aids is additionally stored

Note	Test Type	Standard
Implantable medical device EMC immunity, American National Standard.	noitaibar 79	PC69 PUSI/AAMI
Implantable medical device EMC immunity, International Standard	RF radiation	ZIITI OSI
Particular requirements for pacemakers.	RF radiation	EN 42202-2-1

Cybersecurity

secure operating environment. Proper set-up and operation of your hearing aids requires a safe, private and

for securing your home network and mobile device to ensure your security. https://consumer.ttc.gov/online-security provides examples of best practices The U.S. Federal Trade Commission's guidance for online security

8 A/m@30 kHz, 65 A/m@134.2 kHz, 7.5 A/m@50 kHz	Proximity to sbleit citengem
Up to 28 V/m - See IEC 60601-1-2:2014/AMD1:2020, Table 9	Proximity to wireless communication devices
80 MHz-2.7 GHz 3 V/m, 2.7 GHz-6 GHz 3 V/m,	Immunity to RF sbləif
ESD, Conducted up to +/-8 kV, Air discharge up to +/-15 kV Power frequency magnetic fields: 30 A/m, 50/60 Hz	Yainumul
CISPR 11, Group 1, Class B	Emoissim

EMI/EMC COMPLIANCE

Wireless hearing sids comply with the following EMC/EMI standards. Applies only to hearing aids with wireless capabilities:

International product standard for hearing aids to ensure adequate immunity to radio interference from mobile telephones.	γF immunity	IEC 90118-13
Wideband transmission systems; data transmission equipment operating in the 2.4 GHz ISM band and using wide band modulation techniques.	Signal bna ytingətni emissimə	EN 300 358
Standard for low power transmitters in the frequency range 9 kHz - 40 GHz.	lmmunity, RF and ESD	EN 301 486-1/3
FOR and radio spectrum matters for short range devices in the frequency range 9 kHz - 25 MHz.	RF emissions including spurious emission	EN 300 330
lenoitnetni 10t stnemerited lor intentional radistors.	RF emissions	47 CFR Part 15, Subpart C
ətoN	Test Type	Standard

Bluetooth* low energy*

The following table shows the main information on BLE, some parameters are different from product to product, so the worst case is indicated:

9qy1 noi1sluboM	Gaussian Frequency Shift Keying
Atbiwbnsd	2 MHz per channel, 2 MHz spacing
Channel	slannels
Frequency	Z,400 - 2,480 MHz
Капде	< 10 m between smartphone/accessory and hearing sids
Output power (EIRP)	Wm
Wireless technology	Radio frequency - Bluetooth low energy (BLE)

^{*} Applies only to hearing sids with Bluetooth capabilities.

The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc., and any use of such marks by the legal manufacturer of this product is under licenses. Other trademarks and trade names are those of their respective owners.

Certification information for hearing aids with wireless functionality: USA and CANADA

MEMINI... KE 10

- NFMI Module 2
- Contains FCC ID: SGI-MIM002

:bəteoibni si some parameters are different from product to product, so the worst case The following table shows the main information on MFMI connectivity,

e < 20 cm between hearing aids zHM 72.8 (20 mean part frequency)	UPUA
e < 20 cm between hearing aids	4095
	Cente
	Rang
ut power (EIRP) 53 µW	diuO
m\A \lambda \lorenge \text{I.0} htgnayts blait aita	Magr
ess technology Nearfield magnetic induction (NFMI)	

by the legal manufacturer may void the FCC authorization to operate this Changes or modifications made to this equipment not expressly approved

ISED's license-exempt KSSs.

Operation is subject to the following conditions:

- This device may not cause harmful interference, and
- that may cause undesired operation • This device must accept any interference received, including interference

equipment. This device complies with Part 15 of the FCC Rules and with

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

- Reorient or relocate the receiving antenna more of the following:
- Increase the separation between the equipment and receiver
- Connect the equipment to an outlet on the circuit different from that to
- For body worn operation, this device has been tested and meets the FCC Consult the dealer or an experienced radio/TV technician for help which the receiver is connected

ensure compliance with FCC RF exposure guidelines. supplied or designated for this product. Use of other accessories may not RF exposure guidelines when used with the legal manufacturer's accessories

Prescription use only

D.S. federal law restricts this device to sale by or on the order of a doctor or Hearing Care Professional licensed to dispense hearing aids in your state. The use of any sound generating tinnitus therapy device should be only on the advice and in consultation with your Hearing Care Professional who will properly diagnose and fit the device to your personal needs and requirements. This includes its use in a prescribed tinnitus treatment program. Your Hearing Care Professional will also be able to offer the appropriate follow-up care. It is important to follow the advice and direction regarding such care.

Potential concerns associated with the use of any sound generating tinnitus therapy device. Discontinue use and seek medical evaluation if any of the

- Chronic skin irritation on, near, or around the site of the device
- Unusual side effects (e.g., dizziness, nausea, headaches, heart palpitations
 Perceived decrease in auditory function (e.g., decreased loudness, speak
- not as clear)

Device Description

The tinnitus feature is a software function that generates sound which is programmed into a hearing aid.

Depending on the type of hearing aid, the hearing aid may be used in up to three modes of operation: as a hearing aid, as a tinnitus treatment device, or as a hearing aid and tinnitus treatment device.

When enabled, the tinnitus feature generates the sound and allows a patient's Hearing Care Professional to design and program appropriate settings for an individually prescribed sound treatment plan. The treatment plan should be used in a tinnitus management program for relief of tinnitus.

INFORMATION FOR USERS OF TINNITUS TECHNOLOGY

Your hearing aid may be equipped with a tinnitus feature. Many hearing aids may be used alone or in combination with the tinnitus feature which is fixed to a broadband noise that can be adjusted by your Hearing Care Professional for your tinnitus therapy.

The feature may provide temporary relief of your tinnitus.

TINNITUS TECHNOLOGY - INDICATIONS FOR USE

The tinnitus feature is a tool to generate sounds to be used in a tinnitus management program to relieve patients suffering from tinnitus. The target population is primarily the adult population over 21 years of age. The tinnitus feature is targeted for healthcare professionals treating patients suffering from tinnitus, as well as conventional hearing disorders. The fitting of the tinnitus feature should be done by a Hearing Care Professional participating in a tinnitus management program.

The patient may have some control of the level or volume of the signal and the patient should discuss this adjustment as well as his or her comfort level and sound of the signal with their Hearing Care Professional.

WARNING

Risk of further impairment to user's hearing health

The volume of the tinnitus feature can be set to a level which could lead to permanent hearing damage when used for a prolonged period of time.

- ➤ Should the tinnitus feature be set to such a level in the hearing aid, advise the user of the maximum amount of time per day to use the tinnitus feature. For example, occupational safety guidelines restrict continuous noise exposure of 80 dBA SPL to 8 hours per day.
- > The tinnitus feature should never be used at uncomfortable levels.

 \overline{V}

Federal law restricts the sale of hearing aids to those individuals who have obtained a medical evaluation from a licensed physician. Federal law permits a fully informed adult to sign a waiver statement declining the medical evaluation for religious or personal beliefs that preclude consultation with a physician. The exercise of such a waiver is not in your best health interest and its use is strongly discouraged.

INFORMATION FOR HEARING AID USERS

Hearing aids will not restore normal hearing and will not prevent or improve a hearing impairment resulting from organic conditions. In most cases, infrequent use of hearing aids prohibits the wearer from attaining the full benefit. The use of hearing aids is only part of hearing rehabilitation and may need to be supplemented by auditory training and instruction in lip reading.

Some hearing aid users have reported a buzzing sound in their hearing aid when they are using mobile phones indicating that the mobile phone and hearing aid may not be compatible. According to the AUSI C63.19 standard (ANSI C63.19-2007 American National Standard Methods of Measurement of Compatibility Between Wireless Communications).

HEALTH CONSIDERATION

If soreness or skin irritation develops, discontinue wearing your hearing aids and bring the aids and earmolds to your Hearing Care Professional. Minor fit adjustments or earmold modifications can often correct this condition. If soreness persists, discontinue wearing the hearing aid and see your physician. Consult a Hearing Care Professional if you experience any unusual side effects

like skin irritation, excessive accumulation of ear wax, dizziness, change in your hearing, or if you think there may be a foreign object in your ear canal.

IMPORTANT NOTICE FOR PROSPECTIVE HEARING AID USERS

Good health practice requires that a person with a hearing loss have a medical evaluation by a licensed physician (preferably a physician who specializes in diseases of the ear) before purchasing a hearing aid. Licensed physicians who specialize in diseases of the ear are often referred to as otolaryngologists, otologists or otorhinolaryngologists. The purpose of the medical evaluation is to assure that all medically treatable conditions that may affect hearing are identified and treated before the hearing aid is purchased.

Following the medical evaluation, the physician will give you a written statement that states that your hearing loss has been medically evaluated and that you may be considered a candidate for a hearing aid. The physician will refer you to an audiologist or hearing aid dispenser, as appropriate, for a hearing aid evaluation.

The Hearing Aid Professional will conduct a hearing aid evaluation to assess your ability to hear with and without a hearing aid. The hearing aid evaluation will enable the Hearing Care Professional to select and fit a hearing aid to your individual needs.

If you have reservations about your ability to adapt to amplification, you should inquire about the availability of a trial-rental or purchase-option program. Many Hearing Care Professionals now offer programs that permit you to wear a hearing aid for a period of time for a nominal fee after which you may decide if you want to purchase the hearing aid.

For children under the age of 3 years

Hearing Care Professional for further information. 3 years or persons with a developmental age of under 3 years. Ask your There are special hearing aids for the fitting of children under the age of



DNINAAW

Your hearing aids contain small parts which can be swallowed.

- persons need to wear hearing aids. Finance adequate supervision if infants, small children or mentally disabled
- Check the completeness of the hearing aids regularly.
- hearing aid from the earmold. Finsure that your child or the mentally disabled person does not detach the
- > Consult your Hearing Care Professional if the housing is deformed.
- locking mechanism. Keep the battery compartment locked. Verify the proper function of the
- berson's reach. ➤ Keep batteries and accessories out of children's or mentally disabled
- ➤ It swallowed consult a physician or a hospital immediately.

For children with hearing loss

evaluation and rehabilitation of a child with a hearing loss. audiologist is qualified by training and experience to assist in the development and the educational and social growth of a child. An rehabilitation since hearing loss may cause problems in language hearing loss should be directed to an audiologist for evaluation and In addition to seeing a physician for a medical evaluation, a child with a

WARNING

 \overline{V}

Keep batteries out of reach of children.

- hours or less, if it is swallowed or placed inside any part of the body. For some types of button batteries, severe or fatal injuries can occur in 2
- 24-hour National Battery Ingestion Hotline immediately at 1-800-498-8666 If you suspect your child has swallowed or inserted a button battery, call the
- > Examine devices and make sure the battery compartment is correctly for fast, expert advice.
- secured, e.g. that the screw or other mechanical fastener is tightened.
- ➤ Do not use if compartment is not secure.
- batteries can still be dangerous. ➤ Dispose of used button batteries immediately and safely. Used/discharged
- > Tell others about the risk associated with button batteries and how to keep
- their children sate.

For Canada:

province, which can be found at https://infopoison.ca ➤ If battery is swallowed contact the local Poisons Information Hotline for your

also to section "For children under the age of 3 years". age of 3 years or persons with a developmental age of under 3 years, refer It you have hearing aids that are intended for the fitting of children under the

REGULATORY CAUTIONS FOR USERS

NOTE: Hearing loss in people younger than 18

- People younger than 18 should see a doctor first, preferably an ear-nose-throat doctor (an ENT), because they may have different needs than adults.
- The doctor will identify and treat medical conditions as appropriate.
 The doctor may refer the person to an audiologist for a separate test, a
- The doctor may refer the person to an audiologist for a separate test, a
 hearing aid evaluation.
- The hearing aid evaluation will help the audiologist select and fit the appropriate hearing aid.

A person who is younger than 18 years old with hearing loss should have a medical evaluation by a doctor, preferably an ENT, before buying a hearing aid. The purpose of the medical evaluation is to identify and treat medical conditions that may affect hearing but that a hearing aid won't treat on its own.

Following the medical evaluation and if appropriate, the doctor will provide a written statement that the hearing loss has been medically evaluated and the person is a candidate for a hearing aid. The doctor may refer the person to an audiologist for a hearing aid evaluation, which is different from a medical evaluation and is intended to identify the appropriate hearing aid.

The audiologist will conduct a hearing aid evaluation to assess the person's ability to hear with and without a hearing aid. This will enable the audiologist to select and fit a hearing aid for the person's individual needs. An audiologist can also provide evaluation and rehabilitation since, for people younger than 18, hearing loss may cause problems in language development and educational and social growth. An audiologist is qualified by training and educational and social growth. An audiologist is qualified by training and experience to assist in the evaluation and rehabilitation of hearing loss in people younger than 18.

REGULATORY NOTES FOR USERS

NOTE: What you might expect when you start using a hearing aid

A hearing aid can benefit many people with hearing loss. However, you should know it will not restore normal hearing, and you may still have some difficulty hearing over noise. Further, a hearing aid will not prevent or improve a medical condition that causes hearing loss.

People who start using hearing sids sometimes need a few weeks to get used to them. Similarly, many people find that training or counseling can help them get more out of their devices.

If you have a hearing loss in both ears, you might get more out of using hearing aids in both, especially in situations that make you tired from listening – for example, noisy environments.

NOTE: Tell FDA about injuries, malfunction, or other adverse events

To report a problem involving your hearing aid, you should submit information to FDA as soon as possible after the problem. FDA calls them "adverse events," and they may include skin irritation in your ear, injury from the device (like cuts or scratches, or burns from an overheated battery), pieces of the device getting stuck in your ear, suddenly worsening hearing loss from using the device, etc.

Instructions for reporting are available at: https://www.fda.gov/Safety/MedWatch or call 1-800-FDA-1088. You can also download a form to mail to FDA.

REGULATORY CAUTIONS FOR USERS

CAUTION: This is not hearing protection.

You should remove this device if you experience overly loud sounds, whether short or long-lasting. If you're in a loud place, you should use the right kind of hearing protection instead of wearing this device. In general, if you would use ear plugs in a loud place, you should remove this device and use ear plugs.

CAUTION: The sound output should not be uncomfortable or painful.

You should turn down the volume or remove the device if the sound output is uncomfortably loud or painful. If you consistently need to turn the volume down, you may need to further adjust your device.

CAUTION: You might need medical help if a piece gets stuck in your ear.

If any part of your hearing sid, like the eartip, gets stuck in your ear, and you can. can't easily remove it with your fingers, get medical help as soon as you can. You should not try to use tweezers or cotton swabs because they can push the part farther into your ear, injuring your eardrum or ear canal, possibly seriously.

REGULATORY WARNINGS

WARNING: People younger than 18 should go to a doctor before using this. People younger than 18 years old need specialized care and using this aid user who is younger than 18 should have a recent medical evaluation from a doctor, preferably an ear-nose-throat doctor (an ENT). Before using from a doctor, preferably an ear-nose-throat doctor (an ENT). Before using this, a doctor should determine that the use of a hearing aid is appropriate.

:srasnagaid biA gnireaH of DNINAAW

You should advise a prospective hearing aid user to consult promptly with a doctor, preferably an ear specialist such as an EMT, before dispensing a hearing aid if you determine through inquiry, actual observation, or review of any other available information concerning the prospective user, that the prospective user has any of the following conditions:

- Visible deformity of the ear, either congenital or traumatic
- Fluid, pus, or blood coming out of the ear within the previous 6 months
- Pain or discomfort in the ear
 History of excessive ear wax or suspicion that something is in the ear cana
- History of excessive ear wax or suspicion that something is in the ear canal
- Dizziness, either recent or long-standing
 Sudden, quickly worsening, or fluctuating hearing loss within the previous
- 6 months • Hearing loss or ringing (tinnitus) only in one ear or a noticeable difference
- in hearing between ears

 Audiometric air-bone gap equal to or greater than 15dB at 500 Hz,
- zH 0002 Pue, zH 0001

WARNING to Hearing Aid Dispenser, Outputs over 132 dB SPL: You should exercise special care in selecting and fitting a hearing aid with a maximum output that exceeds 132 dB SPL because it may impair the remaining hearing of the hearing aid user.





2/4/3/2 RF 10 XP & CROS RF 10 XP Miracle-EarMINI^{rm}

Regulations & Safety Information

boqi | bsqi | ənodqi Made for www.miracle-ear.com