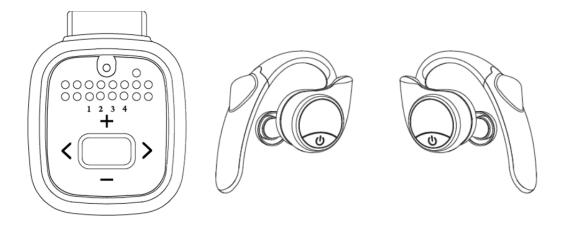
Instruction Manual

Personal Sound Amplification Products



Model No. HL202

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Introduction

Thank you for purchasing HL202. This Bluetooth Personal Sound Amplification Product offers tremendous flexibility and customization in terms of fit and sound settings, allowing you to hear better in circumstances like business meetings and family gatherings.

Please read this manual carefully in order to wholly benefit from the use of your hearing devices. With proper care, maintenance, and usage, your hearing devices will aid you in better communication for many years.

Medical Disclaimer

This manual and product are not meant as a substitute for advice provided by your doctor.

The personal sound amplification will not guarantee to restore your hearing to normal and will not prevent or better hearing loss resulting from inherent circumstances.

You are not to use the information contained herein, or this product for diagnosing or treating a health problem or prescribing any medication.

*Note: Before wearing the devices, please take medical evaluation by your healthcare provider or who expert in treating ear diseases.

Safety Precautions

 Please read this manual carefully to benefit from all the features of your new hearing system

Do not drop the device.

Do not modify, repair, or disassemble.

Do not expose directly to water, alcohol, benzene, etc. for cleaning.

Do not expose directly to flammables.

Do not place or keep the device near flammables.

Keep the devices away from excessive humidity and dust.

Keep the devices away from fire or lighter or stove with fire.

When there is one earphone still worn on your ear, do not put another earphone near the microphone.

Do not place heavy objects on the device.

Only charge the device with an original charger, otherwise it may be damaged

Charges or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

There is a risk of explosion if the battery is replaced by an incorrect type.

Dispose of used batteries according to the instructions

Do not let pet as dog or cat bite the devices or battery, so that will damage this product and bring dangerous to pet.

Getting Started

Your HL202 Bluetooth Personal Sound Amplification Product includes the following parts:

- The Receiver
- A set of earphone with the medium ear tips
- Receiver power bank
- AC/DC adapter
- Two rechargeable batteries of earphone
- Earphone batteries charging dock
- Micro-USB Cable x1
- Two set of ear tips (Large & small)
- User manual
- A storage pouch

AC/DC adapter

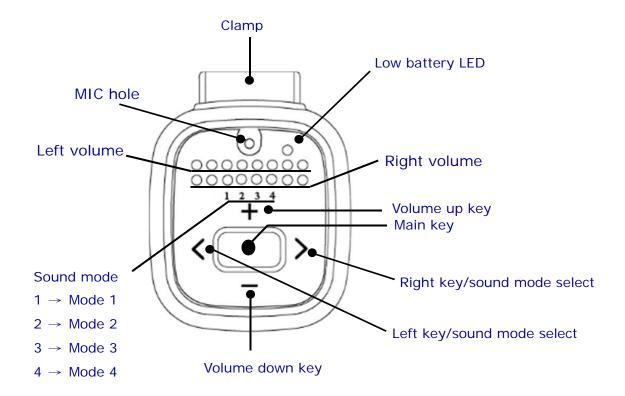


Ear tips (small size)

Ear tips (large size)

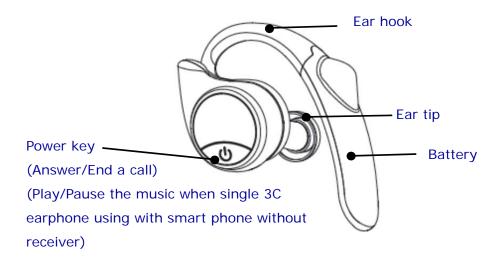
Device Overview

Receiver overview

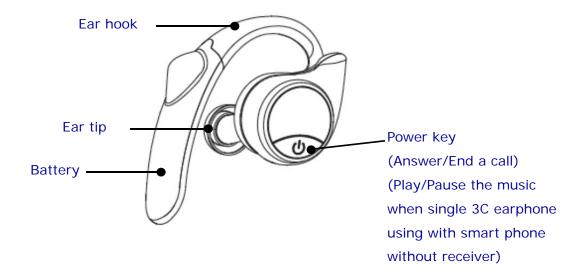


The earphone overview

Left earphone_____



Right earphone__



Features

Personal Sound Amplification Product This device is equipped with Personal Sound Amplification Product (PSAP in short) and features are as below:

- ✓ Noise Reduction
- ✓ High and Low frequency enhance

The receiver is designed for subtract noise and echo suppression to make hearing impairment person listen more clearly.

The receiver provides high frequency and low frequency to enhance human speaking sound for hearing impairment person to fit the hearing habit.

Charging the batteries for Receiver

HL202 is built-in rechargeable lithium battery; users can charge the battery by using charging dock.

Please use only a compatible AC/DC adapter with required voltage and current as indicated in this manual.

Recommend the below specification, do not use otherwise:

Receiver Charging Dock:

Input: DC 5V,1A

Output: DC 5V,150mA

Connect type: micro USB cable Working temperature: 0°C~45°C

Storage temperature: -20°C~45°C

Charging spend: 2.6 hours

Power Bank:

Input: DC 5V,1A

Output: DC 5V,60mA x 2 Connect type: micro USB cable

Working temperature: 0°C~45°C

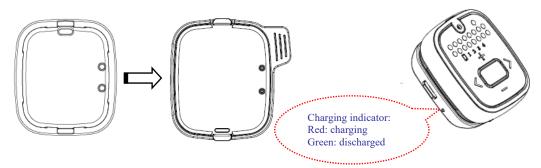
Storage temperature: -20°C~45°C

Charging spend: 2.0 hours

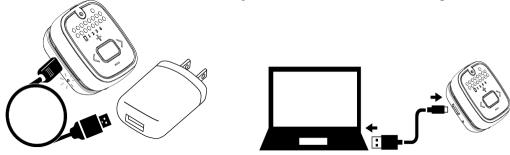
Charging battery of receiver

Before using the receiver for the first time, you need to charge it with the micro-USB charging dock.

- 1. Place the receiver to the charging dock in a specified direction.
- 2. The red light is displayed in the charging, when charging completion indicator shows green.
- 3. The normal charging time is about 2.6 hours.



4. You can use AC/DC adapter or your mobile device to charge.



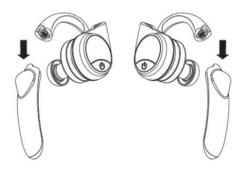
Charging the batteries for Earphone

Charging batteries of earphone

Before using the earphone for the first time, you need to charge it with the micro-USB charging dock.

When the battery is running low and requires recharging, the indicator light will change from blue to red blinking regularly, and it will emit a warning sound.

1. Remove the battery from the earphone.



2. Put the battery in the charging dock, the battery is fully charged approximately 2 hours.

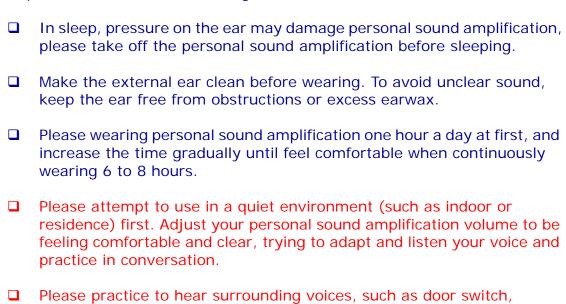


*Note!

- It is not possible to use the device during charging.
- If a battery is accidentally swallowed, seek medical attention immediately.
- Remove the battery from your devices when not in use. This prevents possible damage from expansion or leakage of the battery.
- Follow your local recycling rules for battery disposal
- Once your battery is fully charged, please remove battery from charging dock.
- When the battery is put on charge, keep them at the ambient temperature range from 0°C to 45°C (32 °F ~ 113 °F).

Learning to use

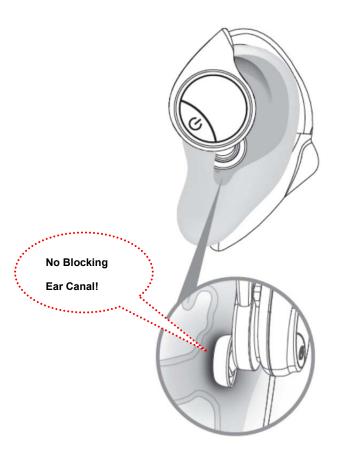
Important Notice before Wearing



footsteps, vehicles, and machine operation.

Placing the earphone on your ear

- 1. Place the battery behind the ear, hanging the battery wire over the ear.
- 2. If the eyeglasses user, position the battery between the earpiece of the glasses and the ear. Be aware that removing or adjusting the glasses may create a distracting noise in product HL202.
- 3. Insert the ear tip straight into your ear gently, wiggling slightly to ensure a good fit. The ideal fit is snug, but not tight.



Turn the device ON and OFF

Note: In succession, Must turn on both earphones power first. Then turn on Receiver to connect both earphones.

Turn the Earphone ON/OFF

To turn on the earphone:

Press and hold power $({}^{\bigcirc})$ key for approx.1 second, the red &blue lights will be lit and then flash for twice quickly. The earphone will make alert sound as beep.

If the earphone is connected to the receiver successfully, the blue light starts to flash regularly.



If the earphone is unconnected to the receiver, the blue light blinks for twice quickly.

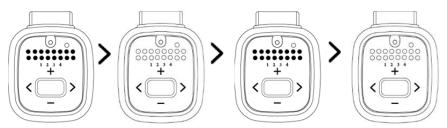
To turn off the earphone:

Press and hold power $({}^{\bigcirc})$ key for approx. 1 seconds, the red &blue lights will be lit for aprrox.1 second. The earphone will make alert sound as beep.

Turn the Receiver ON/OFF

Turn on the receiver

Press and hold "**mode**" key for approx. 3 seconds until all the lights will flash 2 times as welcome booting.



Welcome booting indicator LEDs

After flashing 2 times, receiver will enter booting process to connect both earphones.

Turn off the receiver

Press and hold "mode" key for approx. 5 seconds, the receiver will enter power off process and turn off all devices. The indicator LEDs will flash for 1 second, and then all LEDs are extinguished.

*Note

Only both earphones connected by receiver can power off earphones.

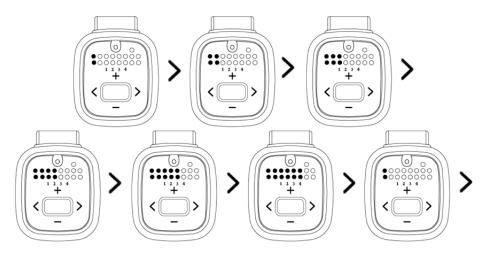
Otherwise, user has to power off by hand press button.

Booting process and indicators

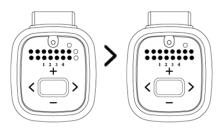
Make sure all devices are power on.

The earphones and receiver connect successfully need all devices power on. If one of both earphones will not be connected and keeping booting until connecting successful in 5 minutes. Power on/off can be referred on" *Turn your device ON and OFF*" page.

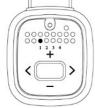
1. Booting process indicator LEDs has indicate receiver connecting status that follows welcome booting indicator after pressing press "main key". The indicator LEDs are as following.



- 2. If connection is fail, the booting process will return to re-connected automatically until earphones are connected in 5 minutes.
- 3. If connection is ok, the booting process will keep going down for next process on Bluetooth protocol and sound adjustment. The indicator LEDs are as following.



4. When connection is successful during booting process and finishes completely, the receiver will show mode indicator LED. The default mode is mode 1. The mode indicator will be flashing after 1 minute to enter saving mode.



Mode 1 as default setting

Note: When one of both earphones is disconnection, the receiver will enter re-connected mode automatically. User needs to keep both earphones are in power on status and stay in 10 meters for RF available receiving range. If the receiver still is doing reconnecting, please check earphones power is off or not. Make sure both earphones are all power on with blue indicator LED flashing.

Unlock and Lock touch key

◆ Unlock and Lock the receiver

The earphones and receiver connect successfully, press the "main key" will be unlocked and locked shown as following images.

Unlocked touch key: Press the "main key" to unlock screen, then shows the present volume.

Unlock panel view

The indicator LEDs show as opening the door image.



If the device does not work, it will be automatically locked after 10 seconds.

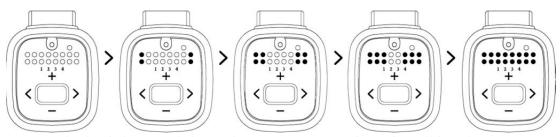


Example: present volume is level 1(default volume) after pressing for unlocked key.

Locked touch key: Press the "main key" to unlock screen, then shows present sound mode.

Lock panel view

The indicator LEDs show as closing the door image.



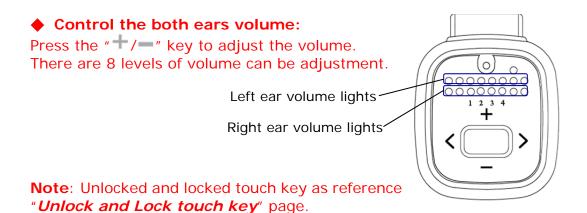
After unlocked the touch key, the present sound mode will be shown on.



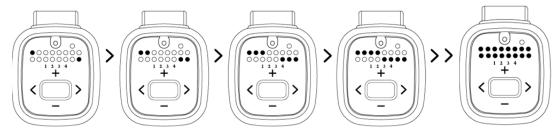
Example: present sound mode is mode 1(default mode) after press locked key.

5. If the receiver does not be unlocked touch key over 1 minute, the receiver will automatically enter the power saving status. The present sound mode indicator will be flashed every 2 seconds. If there is any operation, presses the "mode" key to wake up and unlock.

Volume Control



When pressing the " + " key, the indicator LEDs will be shown quickly for entering volume adjustment mode as following. (Note: When press "+" key from Sound Mode, the LED indicator will show increasing sweep LED indicator.)

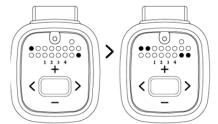


Enter Volume setup mode: increasing sweep LED indicator.



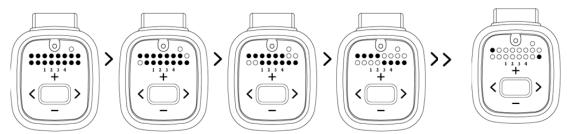
The present volume is level 1 as default.

Keep pressing "+" key to increase the volume, the maximum level is 8.



The volume adjusts from level 1 to level 2 as example.

When pressing the "—" key, the indicator LEDs will be shown quickly for entering volume adjustment mode as following. (Note: When press "-" key from Sound Mode, the LED indicator will show decreasing sweep LED indicator.)

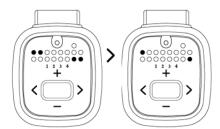


Enter Volume setup mode: decreasing sweep LED indicator.



The present volume is level 1 as default.

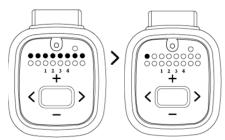
Keep pressing "—" key to decrease the volume, the minimum level is 1.



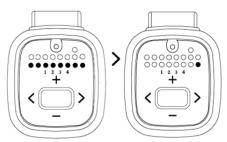
The volume adjusts from level 2 to level 1 as example.

♦ Control the single ears volume:

1. Press " $\langle "$ or " $\rangle "$ key until the upper or lower LEDs shows in flashing which needs for 5 seconds after unlocked touch key.



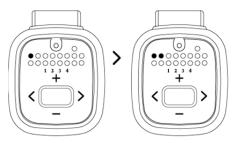
Press " < " key for left earphone indicator LEDs



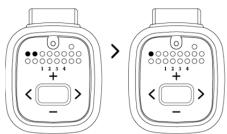
Press " > " key for right earphone indicator LEDs

Note: Unlocked and locked touch key as reference "Unlock and Lock touch key" page.

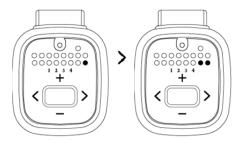
2. Press the " Tor " key to adjust the single ear volume. There are 8 levels of volume can be adjustment.



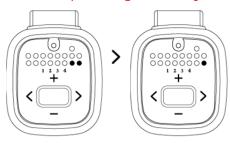
From default volume level 1 to 2 for **LEFT** single earphone adjustment when pressing "+" key.



From volume level 2 to 1 for **LEFT** single earphone adjustment when pressing "-" key.



From default volume level 1 to 2 for **RIGHT** single earphone adjustment when pressing "+" key.



From volume level 2 to 1 for **RIGHT** single earphone adjustment when pressing "—" key.

*Note!

- 1. If you first time to turn on the HL202, suggesting adjust volume to the minimum to prevent the excessively loud sounds.
- 2. The device has key lock function. Any operation needs to be unlocked key first.

Mode Selection

*Note!

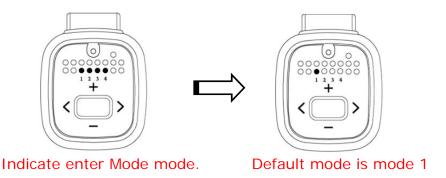
Please select the listening mode depend on situations, it is significantly important to hear surrounding sounds (e.g. vehicles, firecrackers, or alert warning).

Select Mode:

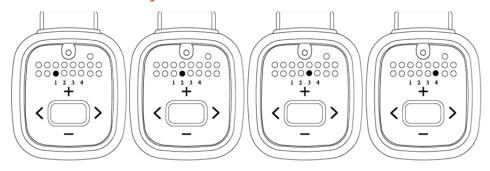
Sound mode is set up from low voice to high voice for user selection. According to personal hearing situation, user can choose different sound mode.

- 1. After press the "mode" key to unlock. Please refer to "*Unlock and Lock touch key*" page.
- 2. Press " \(\sigma \)" or " \(\sigma \)" key for short touch, the Mode indicator LEDs are as shown.

The default mode is mode 1.



3. Press " \(\text{" or "} \) " key to select Mode 1~4.



Four Modes indicator LEDs from Mode 1~4.

How to reconnect with all devices

When battery is low or battery falls off or is too far away 10 meters for RF link loss, the receiver will detect earphones status and will do re-connected automatically.

Please make sure that all devices are power on and in available RF distance of 10 meters, receiver will connect all devices in 5 minutes as long as one of both earphones is disconnected.

Note: If the soundless earphone still does not work, please turn off all devices includes both earphones and receiver. Turn on both earphones power and place near receiver as possible, then turn on receiver power to connect all devices. Please refer to "Turn your device ON and OFF" page.

Pairing the earphone with a phone

The earphone also can be connected with a phone, so that any phone calls will not be missed.

To use the earphone with smart phone, pair the earphone with the smart phone is necessary.

Suggest that before using this product with receiver, one earphone which is good for hearing ability can be paired with smart phone first. That will make to answer the phone call easily while using this product.

Single earphone can be 3C earphone with smart phone without receiver. User can play music on single earphone and answers the call.

To pair the earphone with smart phone:

- 1. Make sure the earphone is turned off.
- 2. Keep the earphone and smart phone closely as possible to each other for pairing process.
- 3. Turn on the Bluetooth function of the smart phone. For instructions, please see the phone User guide.
- 4. Press and hold power () key on earphone for approx.3 seconds to enter pairing mode, i.e. until the blue and red indicator LEDs flashing in an alternating fashion.
- 5. Choose the device's name "eLeft" or "eRight" in smart phone that it is depend on which earphone needs to pair with smart phone. Note: Only connect one earphone with smart phone.
- 6. The smart phone has paired completely and successfully connect with earphone, the blue indicator LED will be shown and flash one time every 2 seconds.

Note: Only one earphone can connect with smart phone, suggest pair the earphone which is good for listen ability. So that the phone call can be hear clearly. In contrast, the phone call will be missed with weak hearing ability.



*Note!

Android system needs above 5.1 version can be used normally If user wants to play smart phone music, do not use receiver but only single earphone.

How to answer a call

When phone call is coming, the beep alert will be sounded. Pick up the phone by smart phone or press earphone power key.

No volume level and No sound Mode adjustment function when receiver detects phone call coming or answering the call. Until hang off the call, the receiver will become normal.

- ◆ If the earphone has paired already and connected with smart phone. When phone call is coming, the "beep" alert sound will be played on earphone which connects to smart phone. The receiver will automatically switch to Mobile mode quickly. At this time press power key of earphone or smart phone answer key to pick up the calling.
- When phone call is coming, the indicator LEDs will have no any change. Meanwhile the receiver will switch the function to mobile mode automatically by itself. User does not do anything for receiver.
- ◆ After hanging up the calling, receiver will automatically switch to normal mode and the "beep" alert sound will be played on earphone. The earphone will return back automatically normal sound from receiver.

Troubleshooting

Please refer to the table below to troubleshoot any problems you may encounter when using the personal sound amplification.

Problems	Possible Causes	Solutions
	Low battery power or batteries has run out	Charge the battery
	Volume too low	Adjust the volume
Sound is weak	Any visible dirt on microphone or receiver	Please use dry cloth to slightly wipe the dirt
	Noise disturbs earphones or Mic on receiver	Adjust the volume level or go away noise environment or clean Mic hole on receiver.
	Volume too high	Adjust the volume
Cound is distanted	Low battery power	Charge the battery
Sound is distorted	Wifi AP or noise or over radio receiving distance(10m)	Go away wifi AP area or noise environment or go closer to receiver.
	The volume level may in very low status	Please adjust the volume
	Battery has run out	Charge the battery and change battery to power on earphone.
	Earphone is not turned on	Please turn on the earphone
	Receiver is not turned on	Please press "M" key to turn on.
	Perhaps your ear blocked by ear wax	Please clean your ear with cotton swab if required.
No sound	The distance between earphone and wireless	Please make sure the
	receiver is out of transmitting range	acceptable distance (≦10 meters) with each other.
	Electromagnetic fields or blocking disturb	Please go to open spaces and keep away from any electric interference.
	Radio disturb or out of receiving distance(10m)	Receiver will do re-connecting, keep earphones are power on status.
	Noise disturb	Go away the noise environment.
Personal sound amplification gives of whistling sound	Any visible dirt on microphone receiver	Please slightly scratch with soft tiny brush
	Volume too high	Adjust the volume
	The earring or glasses blocking the personal sound amplification	Please remove the earring or adjust your spectacle frames
	The personal sound amplification may have unintentionally operation due to the collar, coat, or	Please adjust the collar or coat; if any foreign objects in pocket, please remove it.

	pocket extruding	
	Earphone gets too closer near receiver	Get earphone away from receiver with reasonable distance(over 10cm).
Receiver is keeping doing booting indicator LEDs flashing	Personal sound amplification does not connect successfully	Please make all earphones are power on to let receiver do connection in 5 minutes. If receiver still cannot connect with earphones, please power off all devices and power on all devices and re-connected again.
Red light flashing	Receiver or earphone(beep warning) is low battery	Receiver: charge the battery Earphone: change the battery.

If the solutions in this checklist do not address a particular issue with the hearing devices, consult the Audiologist or Hearing Care Provider.

Storage and Maintenance

With the proper care, the personal sound amplification and charger should provide years of use. It is important to keep the following cautions in mind.

The personal amplification products should be cleaned daily. This product can be wiped with a tissue or a soft cloth. Do not use water, alcohol, benzene, or any other liquid or household cleaning agent to clean the devices as it may cause damage to them

Store the devices in a dry area, preferably at room temperature.

CAUTION

- Never immerse the hearing devices in water!
- Note: The hearing device is sensitive to extreme heat, high humidity, strong magnetic fields (>0.1T), X-rays and mechanical stress
- Do not expose the hearing device to extreme temperature or high humidity.
- Do not leave it in direct sunlight.
- Do not wear it in the shower or when applying makeup, perfume, aftershave, hairspray or suntan lotion.
- Do not wear the hearing devices when exposing to short-waves, a strong magnetic field, a high frequency field or X-rays.
- Do not place the hearing devices in a microwave oven

Cleaning instructions for your devices

- Clean the hearing devices with a soft, dry tissue, as necessary.
- Ear wax may affect sound quality. Listen for any changes in how the hearing device is performing. If ear wax has built up, it can be easily removed with cleaning cloth or a soft tissue. Do not use water, alcohol, benzene or any other liquid or household cleaning agent/liquid to clean your devices, it may cause damage.
- Never use sharp objects for cleaning, as that may damage the wax protection system. Never use running water or immerse the device in water.
 Never use pressure or rotating action while cleaning

Limited Warranty

♦ Warranty for One Year from the purchasing date

To ensure the personal sound amplification function properly, all digital personal sound amplification require recalibration regularly.

After 1 years from the manufacturing date, we recommend you have your personal sound amplification recalibrated at the local distributor or importer.

Please contact your distributor/importer for the details about the recalibration service and the charge of shipping and handling.

Please also note that this service does not cover damage caused by misuse or abuse; accident; the attachment of any unauthorized accessory; alteration to the product; improper installation; unauthorized repairs or modifications; improper use of electrical/power supply; loss of power; dropped product; malfunction or damage of an operating part from failure to provide manufacturer's recommended maintenance; transportation damage; theft; neglect; vandalism; or environmental conditions; loss of use during the period the product is at a repair facility or otherwise awaiting parts or repair; or any other conditions whatsoever that are beyond the control of importers or distributors.

Specifications

Product Name	Personal Sound Amplification		
Model Number	HL202		
Measurement Method	Air-Conduction		
Display mode	Receiver: LED, Green 2x8, Red x1 Earphone: LED, Blue x1, Red x1		
Dimension Size (L x W x H)	Receiver(included battery): 50x40*24 mm(approx. 2.17 x 1.58 x 0.094 inch) Earphone (included battery): 43.5x67*23.5 mm (approx.1.61x1.58x0.53 inch) Receiver charging dock: 39.5x39x11 mm(approx. 1.56x1.54x0.43 inch) Power bank dock: 70*61.70*28.30mm(approx. 2.76x2.4x1.11 inch)		
Unit Weight(Without Earphone)	Receiver(included battery): 18.5g (approx. 0.65oz) Earphone (included battery): 32.0g (approx. 1.13oz) Receiver charging dock: 6g (approx. 0.21oz) Power bank dock: 52g (approx. 1.83oz)		
Volume Control	8 steps, adjust left/right channel independently		
Calling Answering	Answer/Reject Control by single ear which paired with the phone.		
Wireless mode	Receiver ←→Earphone: BT4.0 Cell phone←→Earphone: BT4.0		
Radio channel Frequency	2.4G (2402MHz~2480MHz)		
Maximum transmission range	10 meters(33 feets)		
Battery Capacity	Rechargeable Lithium Battery Receiver unit: 300mAh Earphone: 120mAh Power bank: 700mAh		
Battery Life (normal usage mode)	Receiver: 12 hours Earphone: 6 hours		
Storage/ Transportation Environment	Temperature: -25 °C ~ 60 °C (-13.0 °F ~ 139.9 °F) Humidity: 15 % ~ 93 % R.H.		
Operation Environment	Temperature: 0 °C ~ 45 °C (31.9 °F ~ 112.9 °F) Humidity: 15 % ~ 93 % R.H.		
Warranty	1 years (Excluded battery and earphone)		
Accessory	Standard: Personal sound amplification, earphone, lithium-ion rechargeable Battery chargeringx2, band charging dock, power bank, micro USB cable.		

Accessory Spec.	Receiver Charging Dock:	Input: Output: Connect type: Working temperature: Storage temperature: Charging spend:	DC 5V-1A DC 5V-150mA Micro USB 0°C~45°C -20°C~45°C 2.6 hours	
	Earphone Power bank Dock	Input: Output: Connect type: Working temperature: Storage temperature: Charging spend:	DC 5V-1A DC5V-60mA Micro USB 0°C~45°C -20°C~45°C 2.0 hours	
	Charging cable	Micro USB 20cm/2pin (charging only)		

^{*}The contents and specifications in this manual are subject to change for improvement without notice.

FCC Information

This device (HL202[BT Personal Sound Amplification Product]) complies with Part 15 of the FCC Rules.

NOTE: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device. NOTE: The 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 instruction, may cause harmful interference to radio communication. However, there is no grantee that interference will not occur in a particular installation. If this equipment dose 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 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.

Warranty Card

Personal Sound Amplification Products					
	Warranty Card				
Name		Birthday		Phone:	
		(year/month/date)			
Address					
Product Name:		Date of Purchase:			
		(year/month/date)			
Within 1 year since the purchasing date:		(Distributor Stamp)			
Thank you for purchasing our product! Our products must undergo the careful check before out of the factory. Please feel free to use.					
During the warranty period, HEALTH & LIFE CO. , LTD. is responsible the product defects under normal use for free maintenance.					
carried (t cover any re	pair or alterations other than HEALTH			



Discard the used product to the recycling collection point according to local regulations.

IP22-Degrees of protection provided by enclosures

HEALTH & LIFE CO., LTD.

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