

LINNER nova

Hearing Aids



global customer service

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V1.0

LINNER

Quick Start Guide

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LINNER nova

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(*only LINNER Nova comes with LINNER Connect)

01

KNOWING YOUR HEARING AIDS

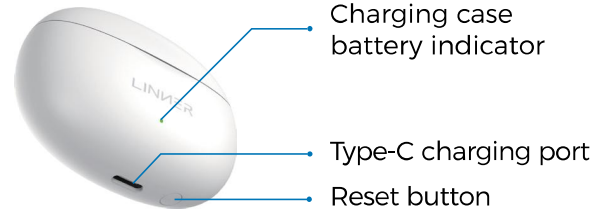
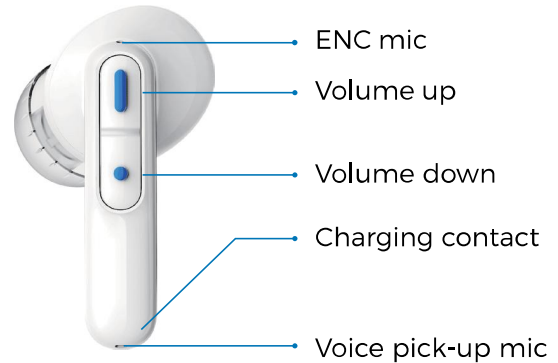
Device Overview

Before usage

Important safety information

Device Overview

Interfaces



Accessory



Ear tips
(S/M/L/XL)



Type-C
Charging Cable



User Manual











Before Usage

- 1.The intended use of hearing aids is to amplify and transmit sound to the ears and hereby compensate for impaired hearing. The hearing aids must only be used by the intended person. They should not be used by any other person as they could damage hearing.
- 2.LINNER nova hearing aids are designed for people with moderate - severe hearing loss, if your hearing situation is not in this range, this device might not work 100% as intended.
- 3.If it is first time you use hearing aids, it is recommended that you start with low volume and then increase volume slowly in next 7 days, which allows your ears adapt to the hearing enhancement of hearing aids.
- 4.It is recommended that you take a hearing test with LINNER HA App, and fit your hearing aids with your hearing test result.
- 5.Hearing aids will not restore normal hearing and will not prevent or improve a hearing impairment resulting from organic conditions. Infrequent use of a hearing aids does not permit a user to attain full benefit from it. The use of a hearing aids is only part of hearing habilitation and may need to be supplemented by auditory training and lip reading.

Important Safety Information

- 1.Changes or modifications to the hearing aids that were not explicitly approved by LINNER are not permitted. Such changes may damage your ear or the hearing aids.
- 2.Do not use the hearing aids in explosive areas or exposed to extreme heat.
- 3.The hearing aids contain small parts that can cause choking, if swallowed by children. Keep out of reach of children. If swallowed, consult a physician or hospital immediately.
- 4.This device is not water-proof, don't wear during shower or swimming.

Symbols

	Refer to instruction manual/booklet To signify that the instruction manual/booklet must be read.		
	Caution Indicates that caution is necessary when operating the device or control close to where the symbol is placed, or that the current situation needs operator awareness or operator action in order to avoid undesirable consequences.		The symbol indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.
	Symbol for "SERIAL NUMBER"		Symbol for "Recycle"
	Symbol for "DIRECT CURRENT"		Symbol for "Class II Equipment"
	Date and Country of manufacture		
	Symbol for "MANUFACTURER"		
	MR Unsafe To identify an item which poses unacceptable risks to the patient, medical staff or other persons within the MR environment.		

Indications for Use

LINNER Nova is a wireless, air-conduction hearing aids which is suitable for up to severe sensorineural hearing loss. It is intended for home and outdoor, adult use only.

Contraindications

- *Congenital atresia of the external ear or malformation of the external auditory canal, with a large number of foreign bodies in the external auditory canal;
- *Unstable deafness, degree of hearing loss;
- *The main complaint is accompanied by headache, dizziness, ear pain, tinnitus and other symptoms of discomfort;
- *Sudden deafness in the past 3 months, progressive rapid deafness, obvious unilateral deafness or other acute ear diseases at the same time
- *Middle ear effusion with frequent pus;
- *Central deafness, non-organic deafness;
- *Patients with acute otitis externa, myringitis
- *Patients with acute and chronic purulent otitis media;
- *Patients who are allergic to the material of this product;

 CAUTION

1. Not used in oxygen rich environment, not intended for use with flammable anaesthetics, not intended for use in conjunction with flammable agents;
2. It is not allowed for untrained person to change lithium battery which might cause dangerous situation;
3. It is not allowed to repair or maintain product when in use;
4. Patient is an intended operator;
5. The device contains sensitive electronic components. To avoid electronic interface, avoid using the device near a strong electromagnetic field radiated interface signal or electrical fast transient/burst signal;
6. When product reaches expected lifetime, please contact seller for instruction;
7. Do not modify this equipment without authorization of the manufacturer;
8. When you are having issues using the product, contact manufacturer or representative of the manufacturer;
9. When the performance of the device changes, contact manufacturer for instruction;
10. Do not expose the device to the environment that exceeds specification;
11. If you have potential allergic reactions towards the material, please contact manufacturer;

 CAUTION

12. Using accessories that not mentioned in the manual might cause unforeseeable damage to the device;
13. Lint, dust might cause damage to the device;
14. If the IR sensor fails, the in-ear detection function will not work;
15. Identify any known side effects associated with hearing aid use (which may require consultation with a doctor), for example, accumulated earwax;
16. Please examine the device firstly if you use hearing aids where electric or wireless device is limited;
17. Falling, immerse in liquid, strong magnetic field and over-heat may damage the hearing aids;
18. The eartips might remain in the ear, in this case, take them out carefully or consult a doctor;
19. Lithium battery might cause unforeseeable hazard including explosion, fire, leakage, please contact manufacturer immediately;
20. The charger should meet IEC 60601-1 standard and satisfy 2 MOPP isolation requirement.

02

USE YOUR HEARING AIDS

Charging

Wearing

Power on/off

Hearing enhancement

Bluetooth connection

LED&Voice prompt

Controls

UV-C lamp

Classification

Charging

- 1 Put hearing aids into charging case and close lid, the charging case will charge hearing aids automatically.



- 2 Connect charging case to any active charging port with included charging cable, or place on a wireless charger(not included in packaging).



Wired



Wireless

Wearing

- 1 Choose suitable ear tips out of 4 sizes and put them in hearing aids.



- 2 Put on hearing aids, make sure they stay firmly in your ear.



- 3 Adjust the position of hearing aids in your ear until you feel comfortable.



Power on/off

Power On

Open lid and take out hearing aids, hearing aids will power on automatically.



Power Off

Put hearing aids back into charging case and close lid, hearing aids will power off automatically.



* You could also manually power on/off hearing aids by long pressing Volume + button.

Hearing enhancement

Enhance world volume

After you put on hearing aids, they will enhance world volume automatically.

Adjust world volume

You could adjust world volume by pressing volume+ or volume - buttons, the default volume is 5, you could slowly increase or decrease volume until you hear comfortable and clear.

Left and right ear volume adjustment

You could adjust left and right ear volume separately to get a balanced stereo hearing experience, this feature is for people with different hearing loss in binaural ears.

Solo/Dual hearing aids usage

You could use single hearing aid to focus on a directional sound or dual hearing aids to restore the real world.

Bluetooth connection

Bluetooth initial pairing

After power on, hearing aids will enter Bluetooth pairing automatically. Search "LINNER Nova" in your phone's Bluetooth list and click to connect.

Auto re-connect

Each time you power on after initial pairing, hearing aids will auto re-connect to last connected device.

Pair a new device

If you want to pair a new device, you need to firstly disconnect or disable Bluetooth function on your previous device. Then hearing aids will enter pairing mode, you could search and connect to your new device.

Restore factory settings

If your hearing aids fail to connect, you could restore factory settings by placing hearing aids in charging case, keep the lid open, then press charging case's button for 10 seconds, charging case will blink orange 3 times indicating, reset is completed.

LED & Voice Prompt













Green & Orange LED



STATUS	VOICE	LED
Power on	Power on	White on for 2 seconds
Power off	Power off	White on for 2 seconds
Adjust volume	beep	
Maximum volume	beep x3	
Manimum volume	beep x2	
L and R hearing aids pairing		Pairing: White breathing
Bluetooth pairing	Pairing connected	Pairing: White flashes per second Pairing complete: White flashes twice
Bluetooth disconnect	disconnected	
Buds battery low	Battery Low	White flashes twice
Incoming call	incoming call	
Reject call	call rejected	
Restore factory setting		White flashes 5 times
Charging case charging	/	Charging: Orange flashes every 2seconds Charging complete: LED off
Restore factory setting	/	Orange flashes 3 times
Charging case battery indicating	/	Battery High: Green on for 5 seconds
	/	Battery Low: Orange on for 5 seconds
	/	

Controls



Item	function	operation
Hearing enhancement control	Left ear volume +	Click  for once
	Left ear volume -	Click  for once
	Right ear volume +	Click  for once
	Right ear volume -	Click  for once
Bluetooth control	Play / pause	Double click  or 
	Answer the phone	Click  or 
	Hang up	Long press  2S or  2S
	Refuse to answer the call	Long press  2S or  2S

UV-C Lamp

LINNER Nova's charging case has built-in UV-C lamp, after you put your hearing aids back into charging case, UV-C lamp will turn on automatically and starts sterilizing hearing aids.

The sterilization lasts 1 minute, it is recommended that not to use hearing buds until after sterilization is done.

UV-C lamp utilizes 280nm wavelength light
Relative Radiant Flux is 1.50E-04
Forward Voltage is 6.5V
Viewing Angle is 120°
Radiant Flux is 5mW



CAUTION

Do not expose UV-C lamp to human eyes for long time!

Classification

The hearing aids are considered as Type B applied part;

The hearing aids are intended for personal use only;

03

LINNER HA APP

[Download App](#)

[Connect App](#)

[App homepage](#)

Download App

LINNER HA App is available both on Google Play and App Store, search and download.

Make sure your phone has enough storage and meet lowest system version requirement before downloading.



LINNER HA

Scan above QR code to download App and get App instruction



Android system: Android 9.0 or above

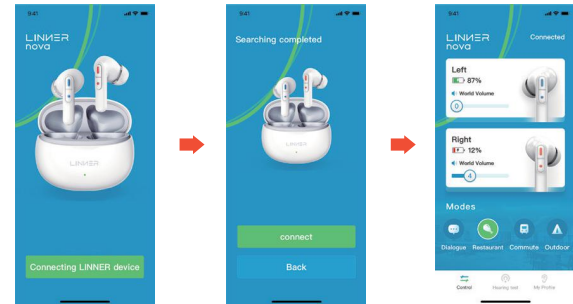


iOS system: iOS 10.0 or above

Connect App

You could connect your App in following 2 ways.

- 1 Connect App before connecting hearing buds with your phone.



Click 'connecting Linner device'

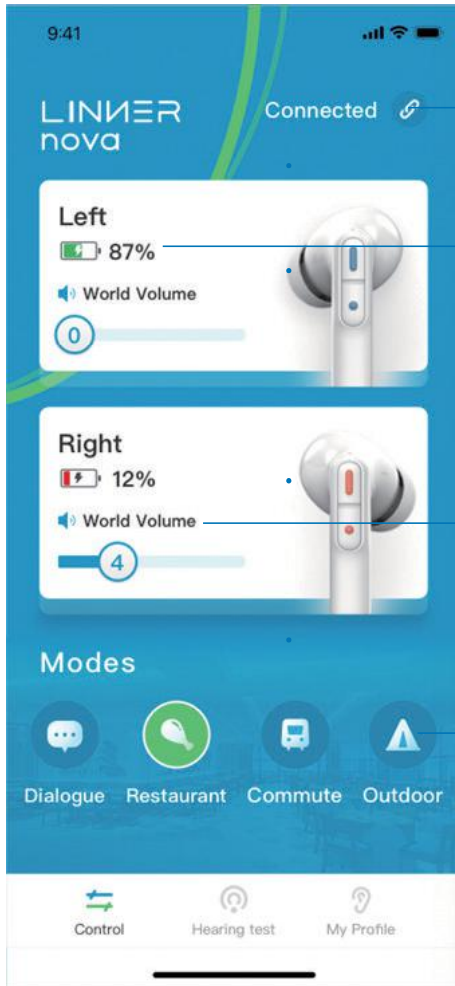
Click 'connect' after searching is complete

Enter homepage after connected

- 2 Connect hearing aids with your phone in Bluetooth setting and then open App.

In this case, when you enter App, it will jump to App homepage directly

App Homepage



Sync control

Left

87%

World Volume

0

Real-time battery indicator

Right

12%

World Volume

4

Volume control slider

Modes

Dialogue Restaurant Commute Outdoor

Mode selection

Control Hearing test My Profile

04

TROUBLE SHOOTING

Product Maintainance

Product warranty

FAQ

Product Maintainance

Protect your hearing aids from dirt and oil

Try to make sure that your fingers are clean and dry before handling your hearing aids. The microphone input is very small and can become blocked by dirt and oil from your fingers.

Protect your hearing aids from moisture

Moisture will kill your hearing aids, make sure you remove your hearing aids before showering, bathing or swimming. When you are showering, don't leave the hearing aids in the bathroom. At night, make sure you leave the hearing aids in a dry environment. It is worthwhile using a drying kit.

Keep the hearing aids away from children and pets

Make sure you keep your hearing aids out of the reach of children and pets. Hearing aids that are lying on a counter that emits a high-frequency noise that might attract dogs. You have no idea how many times I have seen hearing aids eaten by dogs.

05

LINNER CONNECT

(*only LINNER Nova comes with LINNER Connect)

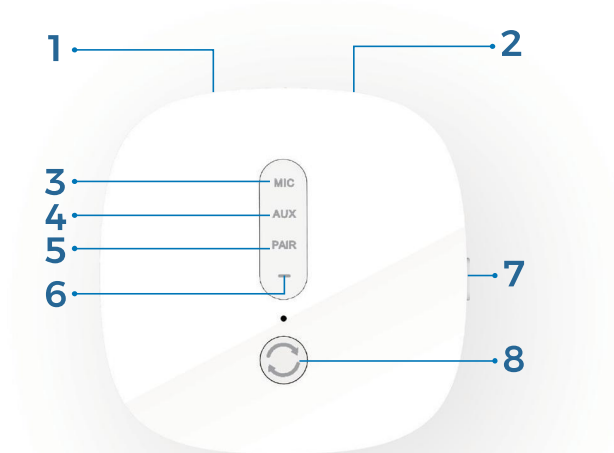
Interface

Set up

TV mode

Wireless mic mode

Interface



- 1 Type-C charging port
- 2 AUX port
- 3 Mic mode indicator
- 4 AUX mode indicator
- 5 Pairing indicator
- 6 Power indicator
- 7 Power button
- 8 Pair button

FAQ

Avoid contact with hairspray or make-up

If you use powder makeup or hairspray you should make sure that you remove your hearing aids before applying them. The fine particles of hairspray or powder make-up may clog the microphone input and volume control switch.

Issue	Potential cause	Potential solution
Feedback or 'whistling'	Is your earmould or dome inserted correctly in your ear?	Re-insert it or choose a suitable dome
	Is the volume very loud?	Reduce the volume
	Are you holding an object (e.g a hat or a phone) close to the hearing aids?	Move your hand away to create more space between the hearing aid and the object
	Is your ear full of wax?	Visit your physician
No Sound	Is the hearing aid turned on?	Turn it on
	Is the battery charged?	Charge the battery
	Is the receiver not working?	Feedback to LINNEN's customer service
	Is there moisture in your hearing aid?	Dry the hearing aid
Sound is distorted, spluttering or weak	Is the battery charged?	Charge the battery
	Is the receiver not working?	Feedback to LINNEN's customer service
	Is there moisture in your hearing aid?	Dry the hearing aid
Battery drains very quickly	Did you leave your hearing aids for long periods of time?	Recharge your hearing aid
	Is the battery old?	Feedback to LINNEN's customer service
Bluetooth can't connect	Did you turn on Bluetooth function on your phone?	Turn on Bluetooth on your phone
	Is your hearing aid under pairing mode?	When hearing aid is pairing, LED will flash white.
	Is your hearing aid pair with another device?	Disconnect from other device and pair with your phone
Can't pair with LINNEN Connect	Did you turn on hearing aids and LINNEN Connect?	turn on hearing aids and LINNEN Connect
	Is LINNEN Connect under pairing mode?	press pair button or restart LINNEN Connect

Set Up

Power on

Slide power button to left to power on device, power LED indicates current battery status.

Pair

1) Make sure LINNERNova and LINNERConnect are close to each other.

2) After power on, LINNERConnect will try to connect to Linner Nova automatically, pairing LED flashes to indicate pairing and solid to indicate paired.

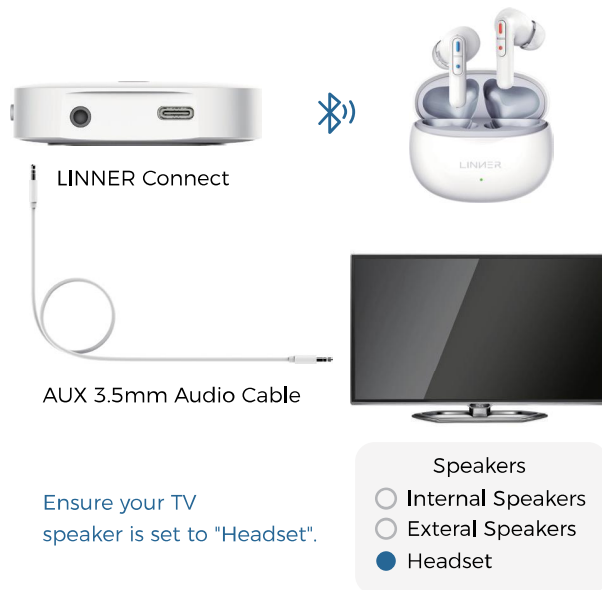
*Note: LINNER Connect will only pair when LINNER Nova is not connected with other Bluetooth device.

Sound Source

After connected, you will only hear sound from Linner Connect in your hearing buds, you could choose either sound source below, the LED will light on to show which mode you are using.

- 1) TV mode
- 2) Wireless Mic mode

TV Mode



Ensure your TV speaker is set to "Headset".

- 1 Connect TV and LINNER CONNECT with AUX cable
- 2 In TV's setting, select Heaset as Speaker;
- 3 AUX LED will light up on LINNER CONNECT;
- 4 TV audio will stream to hearing aids directly;

Wireless Mic Mode



- 1 Place LINNER connect where you want to hear from;
- 2 Make sure Mic is towarded to sound source and not covered;
- 3 MIC LED will light up on LINNER Connect ;
- 4 You could hear sound from LINNER Connect in your hearing buds;

Specifications

Operation mode	Air-conduction
Software version	V1.5.8
Model name	LINNER Nova
Power supply	hearing aids: 5V = 50mA charging case: 5V = 500mA
Time to recover 20°C from the lowest storage temperature	2 min
Time to recover 20°C from the highest storage temperature	3 min
Max output SPL	113dB
Equivalent input noise	11dB
Battery current	hearing aids 7mA, charging case 100mA
Total Harmonic Distort 500Hz@70dB 800Hz@70dB 1600Hz@65dB	0.11% 0.23% 0.12%
Normal working condition	A temperature range of: +5°C to +40°C A relative humidity range of 15% to 90%, non-condensing An atmospheric pressure range of: 70 kPa to 106 kPa
Storage & transportation	Storage environment: Temperature: -20°C to +60°C A relative humidity range of ≤ 93%, non-condensing Atmospheric pressure: 50 Kpa to 106 Kpa Transportation environment: Temperature: -20°C to +60°C A relative humidity range of ≤ 93%, non-condensing Atmospheric pressure: 50 Kpa to 106 Kpa
Protection against in gress of water	IP25: Water projected by a nozzle (6.3 mm (0.25 in)) against enclosure from any direction shall have no harmful effects.

Guangdong Transtek Medical Electronics Co., Ltd.

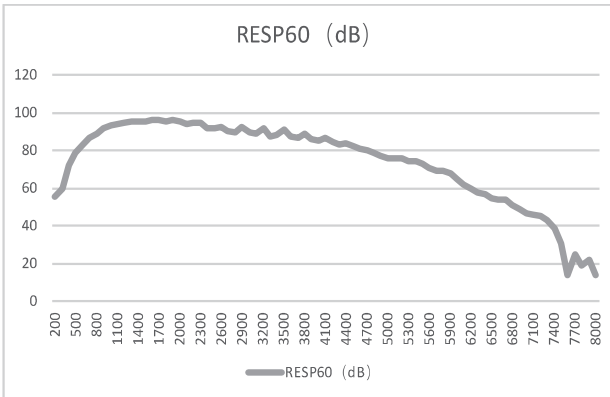
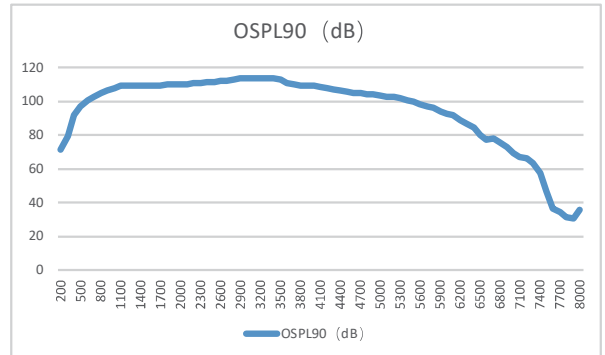
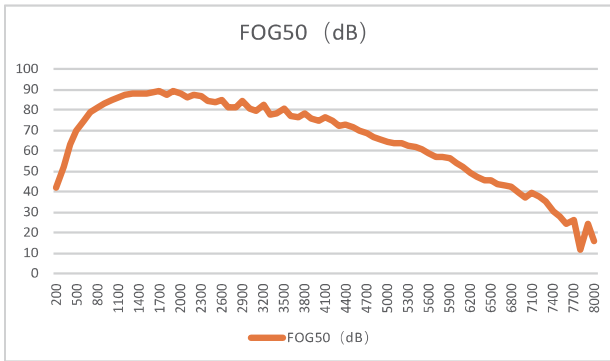


Zone A, No.105, Dongli Road, Torch Development District,
528437 Zhongshan, Guangdong, China

Distributor & Address

Meraw Labs Inc.

4500 Great America Parkway, Suite 1023, Santa Clara, CA 95054



RF exposure statement

This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment. The LINNER CONNECT should be installed and operated with minimum distance 20cm between the radiator & your body.

FCC Warning

Product Name: Hearing Aids

Model: Nova

FCC ID: OU9-NOVA

Product Name: LINNER CONNECT

Model: CONN

FCC ID: OU9-CONN

This device complies with Part 18 and 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.

NOTE 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement:

This device meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. The SAR limit of USA (FCC) is 1.6 W/kg averaged. Device types: Hearing Aids (FCC ID: OU9-NOVA) has also been tested against this SAR limit. SAR information on this and other pad can be viewed on-line at <http://www.fcc.gov/oet/ea/fccid/>. Please use the device FCC ID number for search. This device was tested simulation typical 0mm to Head. To maintain compliance with FCC RF exposure requirements, use accessories should maintain a separation distance between the user's bodies mentioned above, use accessories should not contain metallic components in its assembly, the use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.