

Company introduction & Main Products



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*Having a lot of R & D experience and high technology.
A company that aims to lead the world.*

1990

2000

2005

2010

2015

~2020

1993. Establishment of KUNYOONG Trading Co.

1996. Vibration Alarm Watch (VIBRATO)

1996. Telescopic cane for blind (Aurora Cane)

1996. Establishment of VIETNAM TANBINH Textile Factory

1998. Wireless signal system for deaf (Care Wink)

2000. New Wireless signal system for deaf (Care Deaf)

2001. Establishment of IBC Network Co., Ltd.

2003. Company name change to KUNYOONG IBC Co., Ltd

2003. FM complex hearing aids(SHEBA)

2004. Digital FM complex hearing aids(SHEBA)

2006. Public use hearing amplifier(HAHA)

2008. Digital BTE complex hearing aids (THIS'S)

2009. Wireless Public use hearing amplifier (HAHA2)

2010. Digital FM hearing aids receiver(KHA-770R)

2011. Ultrasonic speaker (Sound-Pointer)

2012. Wireless fire alarm system(Care Fire)

2013. Bluetooth hearing amplifier (ESOB)

2014. Two-way conversation POS for Deaf & developmental disability

2015. FM hearing system for student of hearing impaired(Nsound)

2016. New Version ESOB

2017. Listening to public facilities broadcasting system(Nsound)

2018. Necklace type Neck-Loop cable

2019. FM & Bluetooth & smart hearing amplifier multy fuction hearing assistive aids(Nsound Necklace type)

FM/bluetooth Neck-Loop (Nsound Neck-Loop)

2020 Wearable Braille Keyboards (T Dot, B Dot)

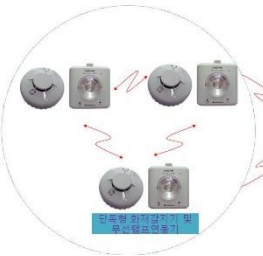
Wearable communication divice for DeafBlind (dbDot)

2021 Potable & wall Mounted type FM hearing induction loop (Nsound multy fuction hearing induction loop)

PRODUCTS



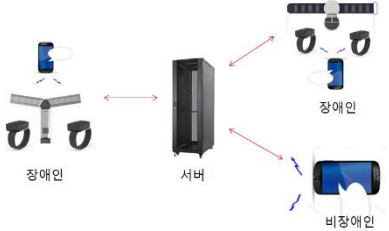
◆ 유선 제품 설명 (반도체 및 칩셋 미공개)



무선 전송 수신기



무선 전송 수신기



Main Products

Contents

For Hard of Hearing Person

1. Nsound (Total Hearing Assistive System)

- Nsound Necklace Type

- Nsound Neck-Loop

- Nsound Bone Conduction

- Nsound Hearing Induction Loop

3. HaHa2(Public Use Voice Amplifier)

For Blind

1. Braille Keyboard

- T Dot

- B Band

2. Aurora Cane(Telescopic Cane)

NSound

Total Complex Wireless Hearing Assistive System

KUNYOONG IBC

NSound Introduction

Total hearing aid system that enables the elderly and hearing-impaired to listen wirelessly to the sounds of conversations and broadcasts in various environments.

Allows hearing aids or cochlear implant users to listen wirelessly to their own hearing aids in homes, schools, and multi-use facilities.

It is classified as a wireless convenience device installed in multi-use facilities, etc. throughout society, and an auxiliary device used by individuals according to disabilities.



Nsound Necklace Model

For hard of hearing peoples

Nsound necklace Model (For hearing aids users)

Digital sound amplification listening function, FM wireless hearing aid function, Bluetooth function built-in One device



Function & Value(NSound)

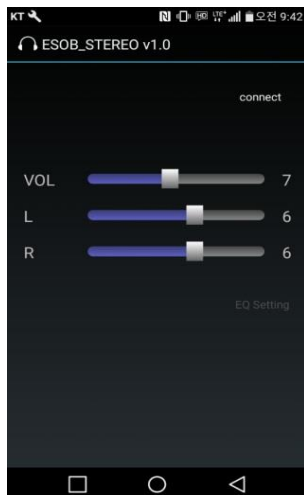


Application example by function

◆ Digital Sound amplification

- Max output :105 or 125db
- Max gain: 45db
- AGC(Auto Gain Control)
- Noise reduction and clarity for ambient noise, It analyzes sounds such as the surrounding environment and the speaker's fast speech speed. Make it comfortable and clear
- Left & right 8CH Fitting(Android APP)
User Fitting Memory(Max 3kinds)

Similar Products



- ❖ Self-powered digital amplification
Frequency-dependent amplification of function or CI Level to the hearing characteristics of the user Fit By self-mapping Fitting app provided (Android)

◆Bluetooth Function



Use built-in hearing aid function

Similar Products



Wireless hands free call



Audio



◆ FM Function

- 10CH
- Connecting sound equipment(AUX)
- Class or seminar(MIC)
- Rechargeable
- LCD Display
- Auto Search Channel function
- Max 100m wireless distance



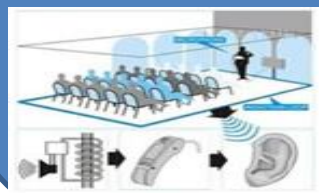
Wireless(1:N)



FM Transmitter

Similar Products

Loop System



FM System

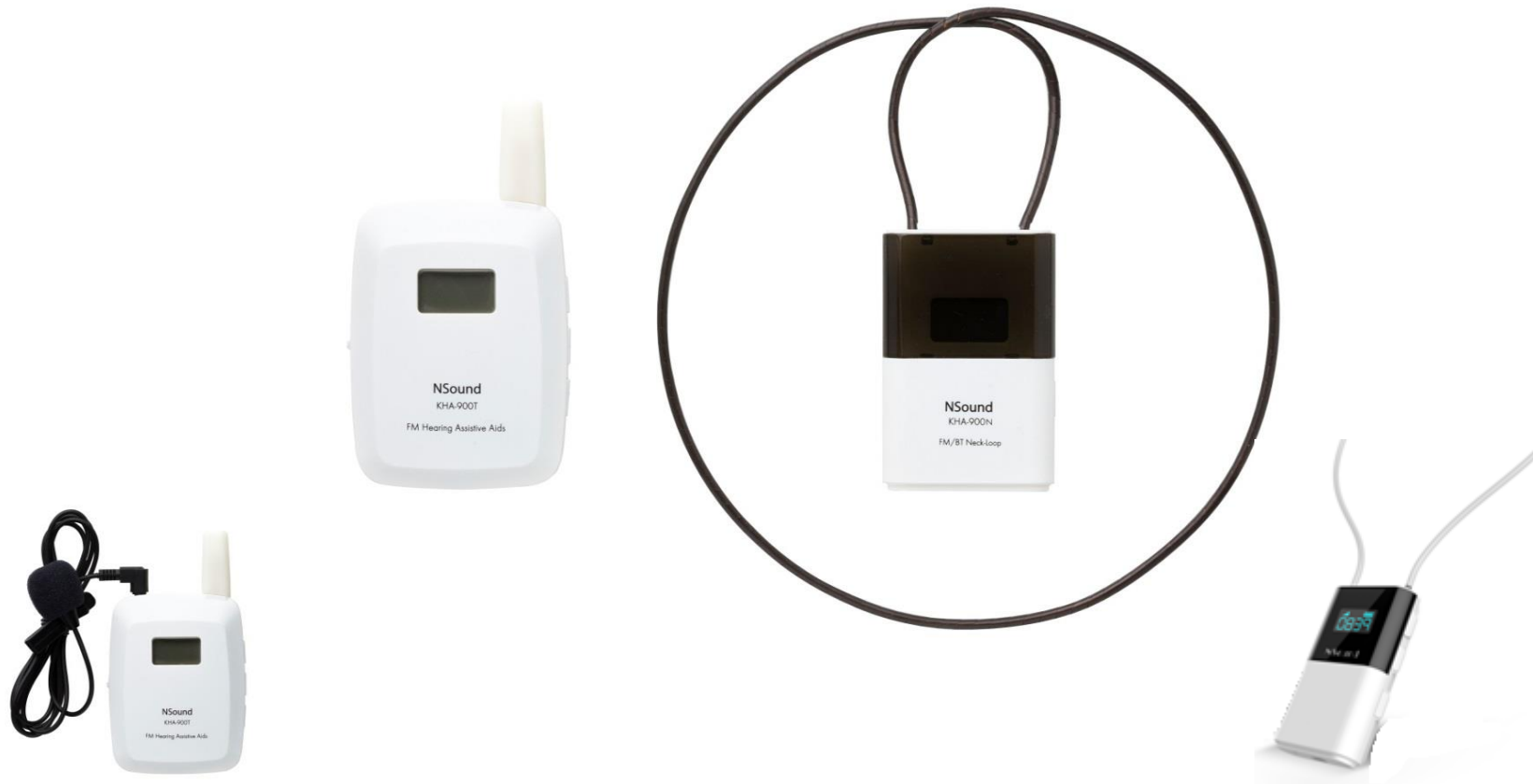


Nsound Neck-Loop

For Cochlear implant or Hearing Aids users

Nsound Neck-Loop(Cochlear implant or Hearing Aids users)

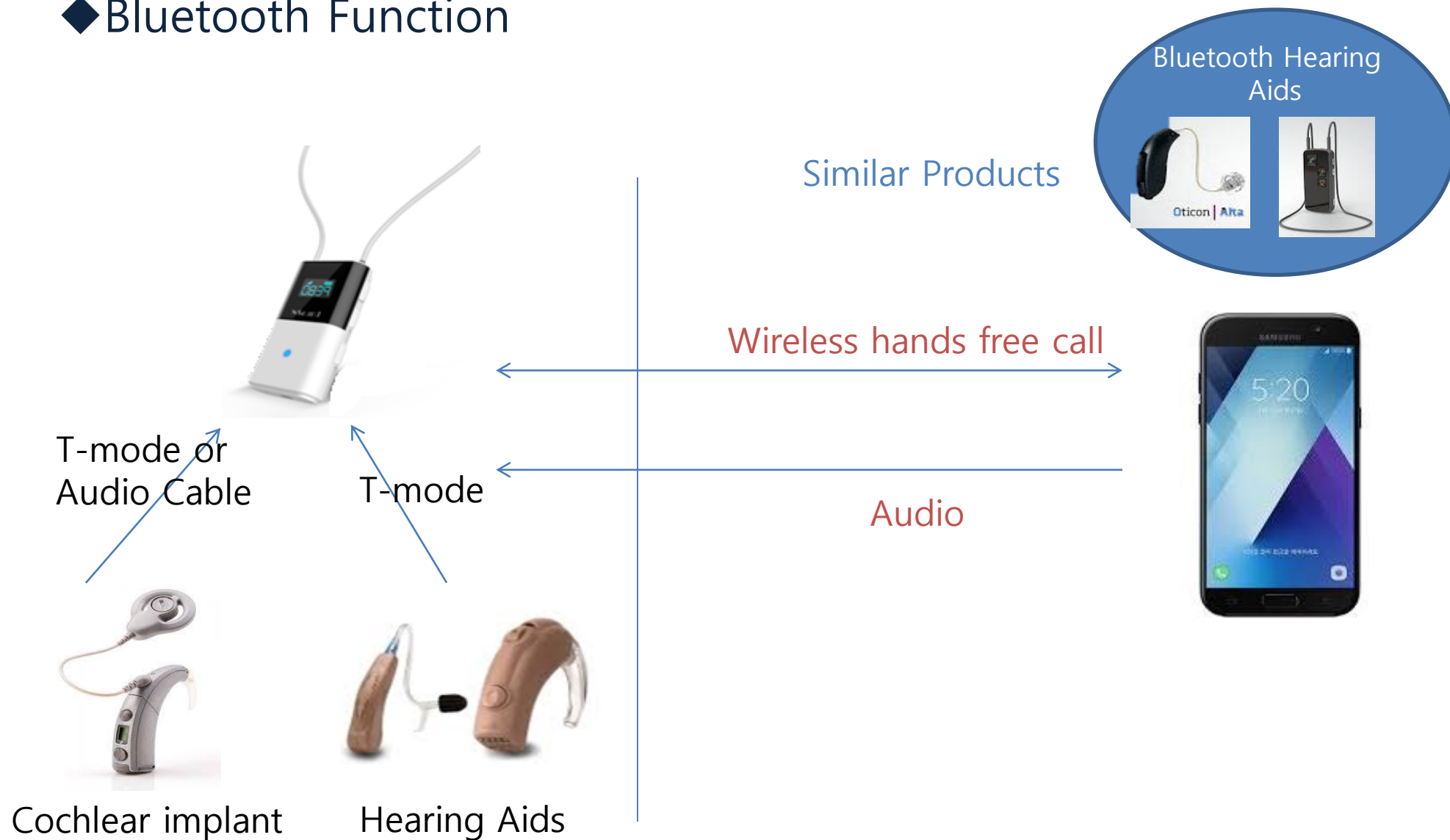
The T-mode function of the cochlear implant and hearing aid enables wireless connection to the neck loop for listening.



Function & Value(Nsound Neck-Loop)



◆Bluetooth Function



◆ FM Function

- 10CH
- Connecting sound equipment(AUX)
- Class or seminar(MIC)
- Rechargeble
- LCD Display
- Auto Search Channel function
- Max 100m wireless distance



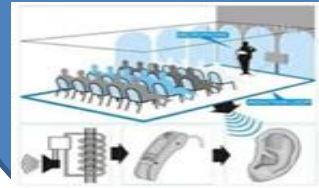
Wireless(1:N)



FM Transmitter

Similar Products

Loop System



FM System



Nsound Bone Conduction

Bluetooth & FM

Screen interpretation for the visually impaired Wireless listening system

Nsound Bone Conduction(for Blind)

Bone conduction FM / BT combined wireless listening device that can open ear and listen to sound through bone.



Screen interpretation for the visually impaired

Wireless listening system

It is necessary to explain the screen motion and movements such as audiovisual education at school, movie viewing at the theater, etc.

When a blind person and a non-disabled person are together, a screen commentary listening device that only the blind can hear is needed.



Function & Value(Nsound Bone Conduction)

Use screen interpretation service for visually impaired people



**Smartphone Hands free
Telecommunication & Audio**



TV screen commentary
Closed listening



Broadcast FM listening to public facilities



Explanation of screen and visual materials

◆Bluetooth Function



Bone Conduction

Similar Products



Wireless hands free call



Audio



◆ FM Function

- 10CH
- Connecting sound equipment(AUX)
- Class or seminar(MIC)
- Rechargeable
- LCD Display
- Auto Search Channel function
- Max 100m wireless distance



Wireless(1:N)



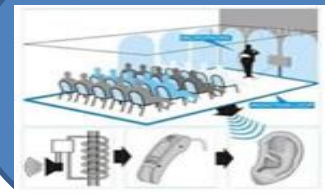
FM Transmitter

Similar Products

FM System



Loop System



◆ SPECIFICATIONS

frequency	2.4GHz & 216~217MHz
Wireless distance	Max 10M (Bluetooth mode)/Max 100M(FM mode)
Max out put	125db(stereo)
Operating power	Lithium-ion battery(3.7V)
Operating time	10-20hours
DC input	DC5V/500 & 1,000mA
Size & Weight	KHA-900R :41mm(W) x 64mm(D) x 17mm(H) , 33g KHA-900N:47mm(W) X 71mm(D) X 17.3mm(H), 40g KHA-900T: 59mm(W) x 79mm(D) x 19mm(H) , 62g

Nsound Hearing Induction Loop

Hearing Induction Loop for personal and public use facilities
for users of cochlear implant & hearing aids & Nsound device

Potable Induction Hearing Loop

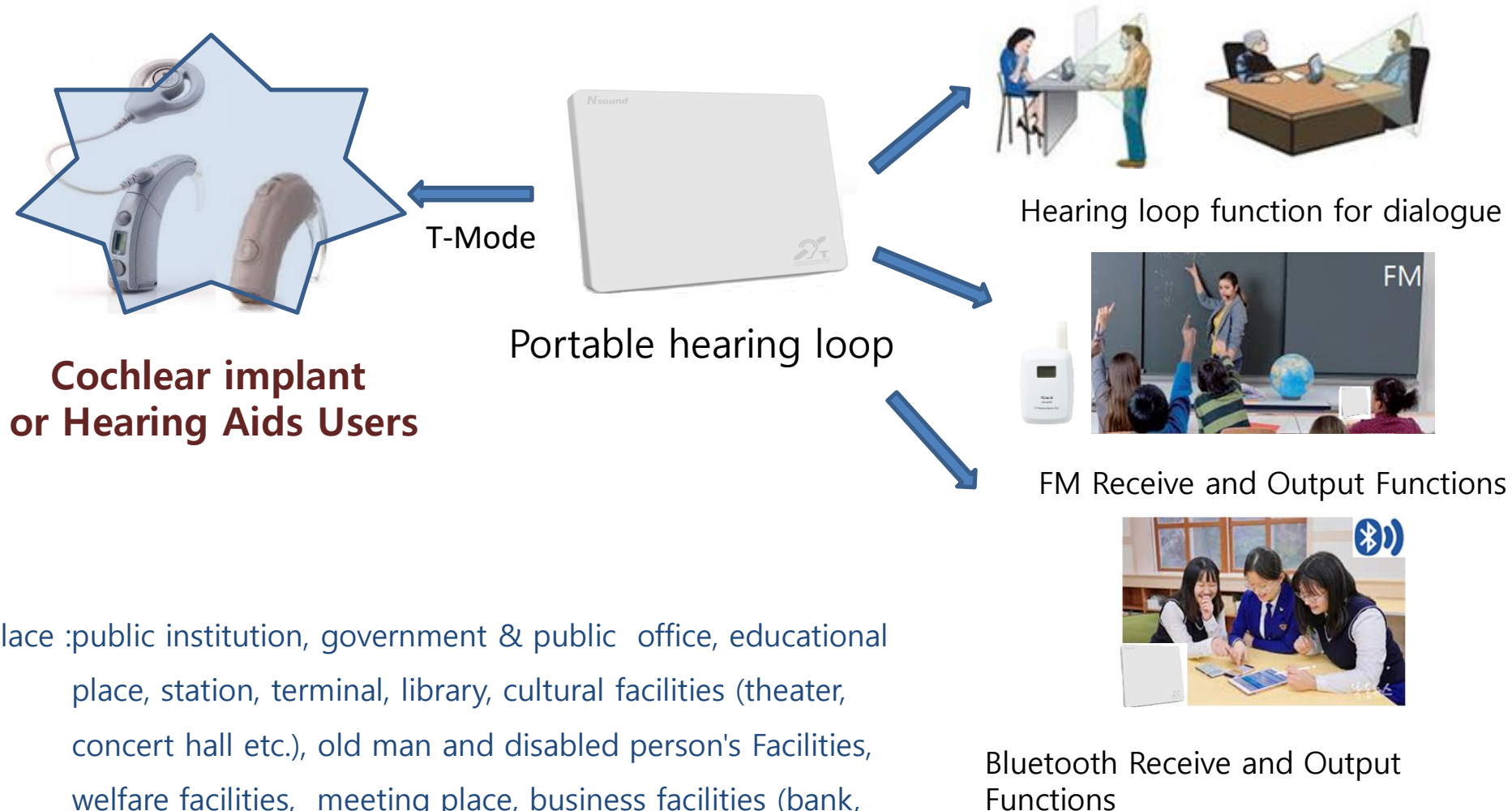
Portable hearing loop for users of cochlear implant and hearing aid.

Multi-functional product with voice transmission and FM function and Bluetooth function



- Wireless Distance : about 1.2m
- Built-in microphone and external microphone inputs
- FM receive (10 ch) function
- Bluetooth function.
- Rechargeable
- 300X230X18mm, 730g

Function & Value(Nsound Potable Hearing Loop)



Used place :public institution, government & public office, educational place, station, terminal, library, cultural facilities (theater, concert hall etc.), old man and disabled person's Facilities, welfare facilities, meeting place, business facilities (bank, post office, telephone office, hospital etc.)

Wall-mounted hearing loop

Unlike conventional hearing loops, installation with a frame on the required place wall without the need for facility renovation creates a hearing loop zone.
(broadcast FM receive or direct connect speaker cable)



**Cochlear implant
or Hearing Aids Users**

- Wireless Distance : about 3m
 - FM receive (10 ch) function
 - AUX / Speaker line Input function
 - 450X350X30mm, 1.7Kg
- ※Commercial billboards available

Function & Value(Nsound Wall-mounted hearing loop)



**Cochlear
implant
or Hearing Aids
Users**

←
T-Mode



Wall-mounted hearing loop



FM

or



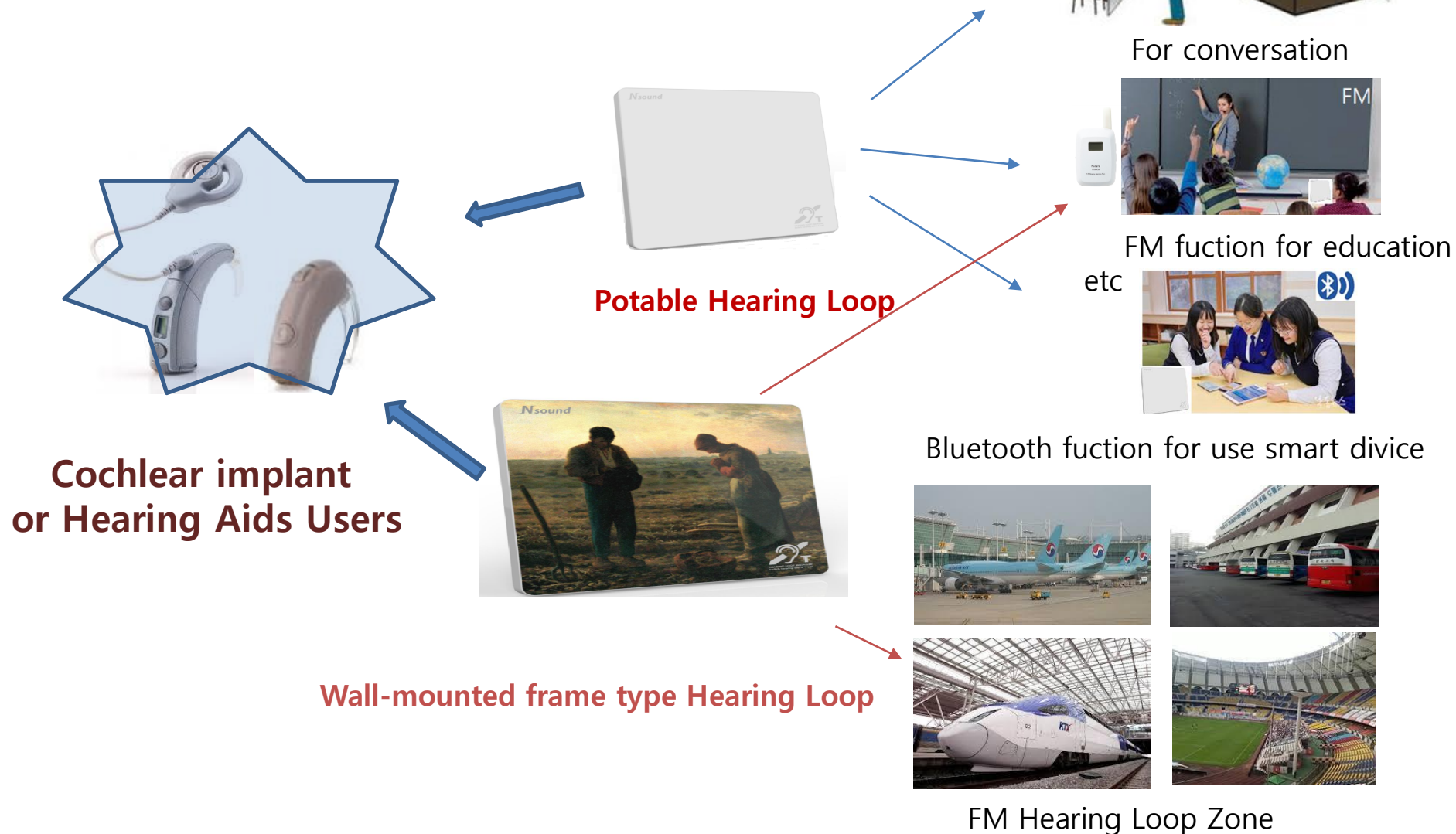
AUX

Broadcast listening to public facilities



Used place :Train, bus, airport, gas station, bus terminal, sports facilities,
schools, public buildings, museums, exhibition halls, churches,
conference rooms, hospitals, welfare centers and nursing homes....

Function & Value(Nsound Hearing Induction Loop)



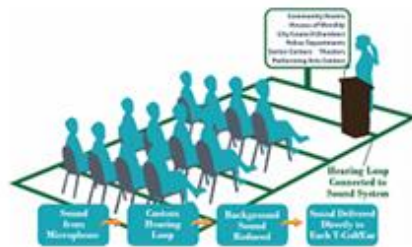
Use: Individuals, schools, conference rooms, public offices, banks, station, Air & bus terminals, libraries, train, bus, taxi performance halls, courts, senior citizens' and disabled facilities, welfare centers, seniority centers, post offices, museums, hospitals, etc.

Economic efficiency

A new concept of hearing loop device that improves the drawback of an existing hearing loop.

Users can easily access the loop zone.

It is very economical because it does not require renovations of buildings, is inexpensive to install, and can be used as an advertising medium.



인공와우 또는보청기
T-mode 무선 청취



FM송신기

Comparison of the general roof system with the FM roof system

General loop system	FM Loop System
<ul style="list-style-type: none">● Difficult to secure LOOP ZONE space in the facility● Requires facility renovation and exclusive equipment such as amplifier for installation of LOOP ZONE● Need to continuously manage facility space and equipment● Discharge installation cost and maintenance cost	<ul style="list-style-type: none">● Very easy make Loop Zone any location in the facility. (for wireless FM input and loop output or direct connection of existing speaker lines)● No need to renovate certain space building facilities● Maintenance and maintenance are not required.● Very low installation cost.● Available use as a billboards.● FM transmitter in the facility use together Nsound products users. (Necklace model, Neck-loop model, Bone-conduction model)

Nsound FM Transmitter

Common use of all Nsound products with FM transmitters.

Users of the Nsound Necklace Type and the Neck-loop product are free to listen wirelessly within the range of FM transmitters without needing the Hearing Loop Zone.



Specification



Frequency	216~217MHz
Wireless distance	Max 100M
Chanel	10 Ch
Operating power	Lithium-ion battery(3.7V)
Input	AUX/MIC

HAHA2

Wireless Hearing Assistive Aids

For hard of hearing peoples

Public Use Voice Amplifier



UV sterilizing & Rechargeble



Wireless



Product Overview

It is wireless hearing assistive aids for public use, which enables listening for old people or hearing impaired people in the facilities & place. When general hearing aids don't have efficient hearing effect because of the noise etc. of public facilities, HAHA2 can be used very usefully. It provides clear and distinguished sound even if the surrounding is noisy. In order to use HAHA2, simply put it on your ear like as telephone receiver (without putting inside the ear), then you can hear the clear sound and speak quietly.

Function

- It is Wireless digital hearing assistive aids, so sounds clearly
(It is regardless of surrounding's noise etc.)
- Receiver & Transmitter are included battery for charge, so it is portable & usable.
- Transmitter & sterilizing charger are built-in one type (stand type), so it is easy to use.
- It is hygienic from UV sterilizing function

Used places

Used place :public institution, government & public office, educational place, station, terminal, library, cultural facilities (theater, concert hall etc.), old man and disabled person's Facilities, welfare facilities, meeting place, business facilities (bank, post office, telephone office, hospital etc.)



SPECIFICATIONS

1. Receiver

Sound processing	Digital(DSP)
Wireless frequency	2.4GHz (ISM Band)
Max Out-put	125dB
Gain	45dB
Operation Power	Litium-ion battery(3.7V)
Wireless Distance	20m
Using time	Continuous use time over10hr
Spec	54mm(W) X 143mm(D) X 44.5mm(H)

2. Rechagerble & sterilize Transmitter

Wireless frequency	2.4GHz(ISM Band)
Wireless Distance	20m
Charging method	AC220V(in-put), DC5V(out-put)
Using time	Continuous use time over10hr
terilize	UV LED
Spec	86mm(W) X 133mm(D) X 37mm(H)

Braille Keyboard

For Blind peoples

KUNYOONG IBC

Tdot (Folding Type Braille Input Keyboard for Blind)

Product Overview (Tripod Folding type braille information terminal)

Braille Keyboard is a braille input device that connects with smartphones via Bluetooth.

Bluetooth Braille keyboard that can control the screen through the keyboard.

Input text or screen movements and contents can be heard in human voice.

Function & Spec

- Braille input Bluetooth keyboard
- Screen-control function (Navigating function)
- Upgrade & Update Language by APP
- Use Android, ios, Win, Mac
- 29X29X128mm , 59g



Product differentiation

- The world's first ultra-small folding braille terminal
- Design of ultra-light tripod fold (59 grams).
- Excellent access to smart device information Unique to increase independent emphasis and app access solution development.
- Listening to input text and screen contents by voice.

Convenience of products :

- The existing heavy and bulky braille terminal can be placed in the production pocket or worn around the neck with a ultra-small 59 grams.
- Perkins braille input method is used as a structure that flaps when used as a tripod folding.
- Excellent control of smart devices and access to smart phone APP



Bdot

(Band type Braille Input Keyboard for Blind)

Product Overview(Wearable band type braille information terminal)

Braille Keyboard is a braille input device that connects with smartphones via Bluetooth.

It allows users to input texts and navigate without actually touching the screen.

Bluetooth Braille keyboard that can control the screen through the keyboard.

Input text or screen movements and contents can be heard in human voice.

Function & Spec

- Braille input Bluetooth keyboard
- Screen-control function (Navigating function)
- Upgrade & Update Language by APP
- Velcro-style easy wrist wear
- Use Android, ios, Win, Mac
- 42X42X11mm, 36g

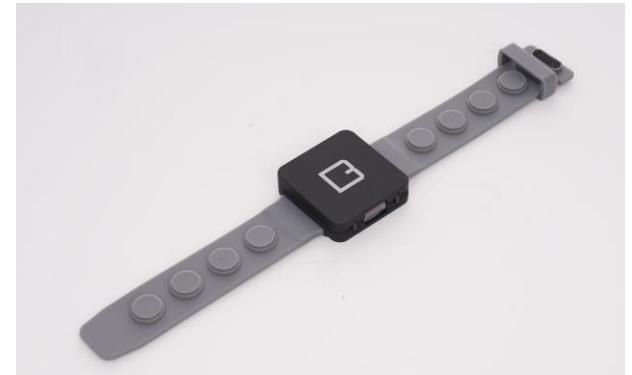


Product differentiation

- The world's first ultra-small wearable braille terminal
- Design of ultra-light tripod fold (36 grams)
- Excellent access to smart device information Unique to increase independent emphasis and app access solution development
- Listening to input text and screen contents by voice

Convenience of products

- A product that can carry the existing heavy and bulky braille terminal around the wrist with a very small 36grams.
- Perkins Braille Input Method is used for the structure that flaps when using the main body and the band.
- Excellent control of smart devices and access to smart phone APP



AURORA CANE

Telescopic cane for Blind

Light-weight carbon fiber telescopic cane

- High Quality Carbon Fiber Telescopic Cane.
- Very Light : 80g(ex:132cm)
- Very Compact; 9section(ex:unfolded 132cm -> folded 22.5cm)
- Length : 90 -160cm(OEM available)



TELESCOPIC WHITE CANE AURORA CANE

KUNYOONG IBC CO.,LTD
Seoul, South Korea



A new telescopic cane for your safety and independence

Our Aurora Cane is Telescopic Cane. You'll be surprised how compact and light it is for carrying. Try the new cane.

- High quality carbon fiber telescopic cane
- Very light : 80g (132cm: 52in)
- Very compact : 9 section (22.5cm to 132cm)
- Available in OEM products & small quantity order)
- 100% Made in South Korea

Get in touch now for pricing & information

kunyoong@kita.net

THANK YOU.