# NSound Neckloop

## User Manual

# KUNYOONG IBC CO., LTD.

# Contents

Please read the manual thoroughly before using the device

# Product Preview

Digital complex hearing aid with wireless Bluetooth/general hearing aid function and FM distant hearing function for cochlear implant or hearing aid users . This can be applied for the smart phone wireless call , besides music and voice amplifier.  At school and home, this can be used as wireless voice Amp.

# Features

- Convergence of Bluetooth digital voice amplifier and FM distant hearing function. (Put on as/with a chair or a bed. Connect to cochlear implant and hearing aids via Telecoil mode, T-mode)
- It is possible to listen every voice information such as wireless voice call and music of the smart phone.
- General digital voice amplifier and wireless transmitter & receiver voice amplifier function.
-  Its own Android app for left/right 8Ch user fitting.
-  FM distant hearing function with 10 channels (1:N receiving option).

# Main parts and Accessories

### FM Transmitter

### Receiver

### Mic.

### Adaptor

### User Manual

# NSound Neckloop

## Using Neckloop Receiver (KHA-900N)

1. Connecting and using Neckloop Receiver

   1) Converts cochlear implants and hearing aids mode to Telecoil mode, or T-mode and it will automatically connects with Neckloop Receiver when worn around the neck.
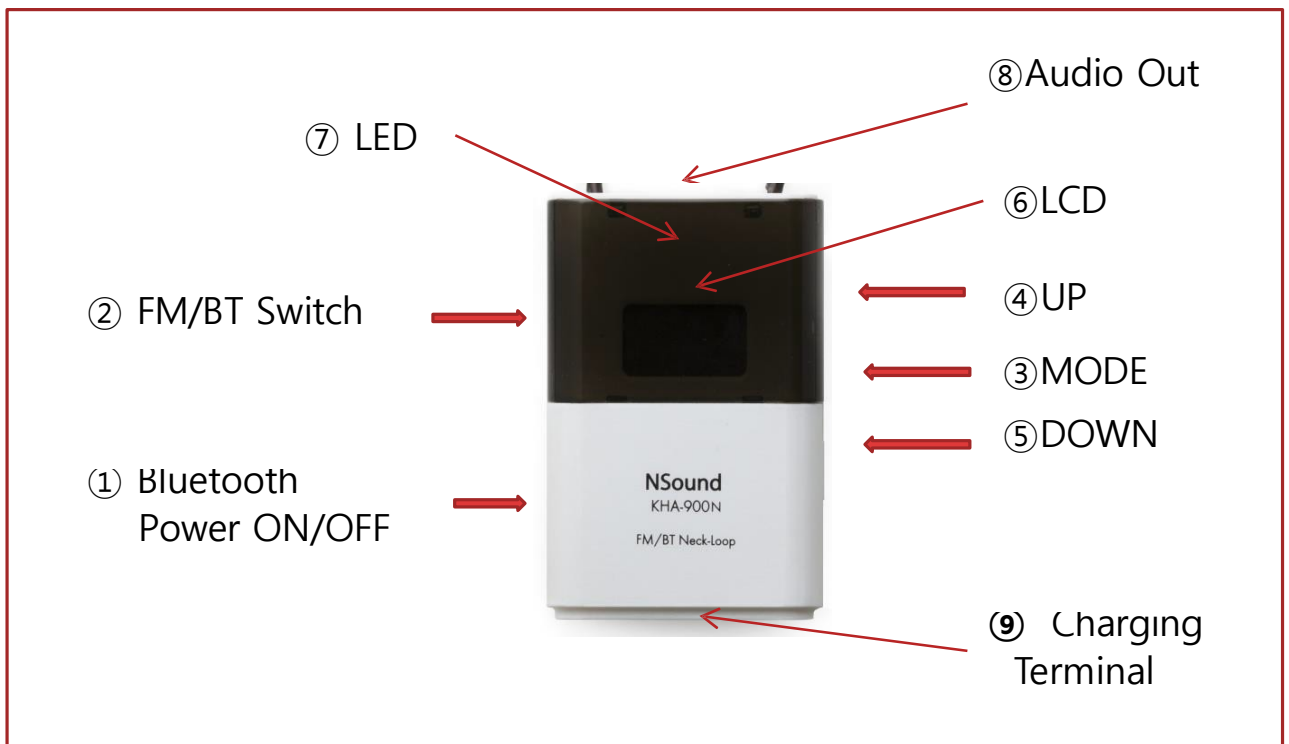
   2) You can also use the cochlear audio connection cable by connecting it to the ⑧Audio Out terminal.(Better quality of sound than T-mode)

2. Turning on and connecting to smartphone

   1) ① Press and hold the button to turn on the power and press the button for a long time to turn off the power. (When the power is turned on, a blue light flashes on the LED display ⑦ at regular intervals)

   2) Connecting to a smartphone

      ① Press the button 2 times continuously for a short time. ⑦ LED flashes rapidly in red. Select NSOUND-BC in Smartphone Bluetooth search and pair.



⑧Audio Out

⑦ LED

⑥LCD

② FM/BT Switch

④UP

③MODE

⑤DOWN

① Bluetooth
   Power ON/OFF

NSound
KHA-900N
FM/BT Neck-Loop

⑨ Charging
   Terminal

## 3. Using Bluetooth function

1) ② Press and hold the FM / BT switch button to select bt (bluetooth) / fm mode. At this time, bt is displayed on the LCD window.

2) With Bluetooth connected, you can listen to your smartphone's audio and make hands-free calls.

- When a call comes in Press the ① button briefly or press the call button on the smartphone to switch to handsfree call mode.

- When listening to music through a smartphone, you can stop playback by pressing button ① (stop / playback switch each time you press briefly)

- The volume can be adjusted by using the ④ button and adjusting the DOWN with the UP ⑤ button.

\* When using FM function, it is possible to listen to Bluetooth at the same time.

-When using FM function, it is possible to use Bluetooth at the same time such as hands-free call. At this time, the volume of the Bluetooth output with the FM sound in the Bluetooth mode can be arbitrarily adjusted by the user.

## 4. Using FM distant amplification function

The FM function allows you to listen to the sound transmitted through the FM transmitter.

1) ② Press and hold the FM / BT switch button to select bt (bluetooth) / fm mode (fm is displayed on the LCD window)

- In this case, the channel of the dedicated transmitter and the channel of the receiver must be the same. (However, if the AUTO function is turned on via the ③ MODE function of the receiver, it is automatically connected to the nearby transmitter automatically)

※When listening to FM, you can listen to Bluetooth sound simultaneously. In bt mode, you can adjust the volume of the BT volume to adjust the volume of FM and BT sound.

2) **Mode and volume switching function**

   - Press ③ and toggle channel (ch) → volume (vo) → automatic channel receiving function (Au). ④, ⑤ allows you to change and adjust channels and volume as well as turn on/off automatic channel receiving function.

   - If Au OF / Au ON is displayed on the LCD display, AUTO reception mode can be selected by ④ and ⑤ button. ④ Press button to select Au ON and it will automatically connect to the channel of nearby transmitter.

※AUTO mode is effective when used in public areas such as cinemas in FM service areas. (When you enter a broadcasting area, you can automatically search for adjacent channels and listen wirelessly.)

5. **Lock function**

   - Press and hold the MODE button ③ to temporarily display the loon on the LCD display and a padlock appears at the top. At this time, all mode switching functions are stopped and only the volume button is available.

   - When you press and hold the MODE ③ button in the locked state, loOF is displayed on the LED display and the lock indication disappears.

6. **Charging and Reset**

   1) Connect to the charging terminal ❾ through the dedicated charger and charge it. (When charging, turn off the power. When the charging is completed, ⑦ LED turns into blue light. Approximately 3 hours.)

    -Once charged, you can use it for up to 20 consecutive hours when listening to bone conduction earphones.

   2) If the product does not work, insert it into a small hole on the bottom side of the product with a clip or a needle
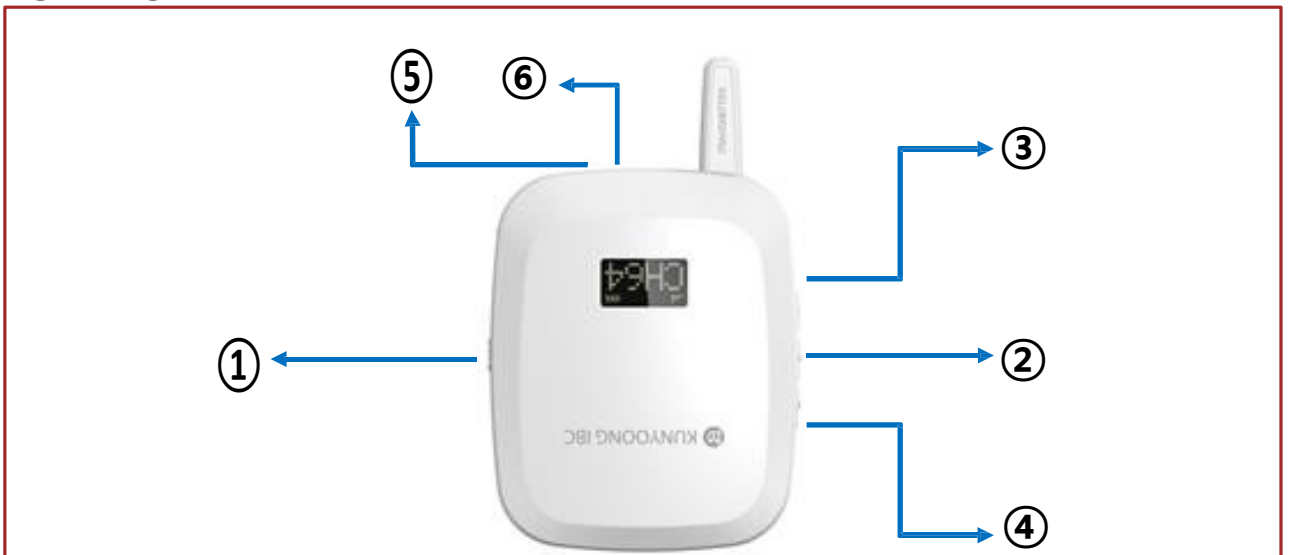
# FM Transmitter

## 1. Turning on

  Slide the slide switch ① and the CH display window will be displayed on the LCD window.

## 2. Switching channel

  After turning on the power, press the ② button lightly and the number part of CH display blinks. At this time, you can change the channel through buttons ③ and ④.



## 3. Aux and Mic select function (for connecting external audio devices)

After turning on the power, press the ② button lightly and the number part of CH display blinks. At that time, if you press the ② button lightly again, you can select AU / MI function by ③, ④ button. MI turns ON when AU is OFF.

### Connecting Mic.

After MI is set to ON, audio can be transmitted by connecting to microphone (MIC) through input terminal ⑤.

### I.  Connecting AUX

After setting AU ON, audio can be transmitted by connecting to external device (AUX) through input terminal ⑥.

## 4. Lock function

If you press and hold ② button, 🔒 mark will be displayed on top of LCD and lock function will be set. Press and hold button 2 again to release the lock function.

# Etc

**1. For hearing aid or cochlear implant user:**

Use NSound Neckloop type

**2. Charging**

Charge the equipment using provided charging adaptor.
(Red LED → Charging finished → Green LED state)

| Neckloop Receiver | FM Transmitter |
|---|---|
|  |  |

**3. Notice**

1. Please don't use it in humid/dusty place or the place, that there are a lot of corrosive gas (coal gas) because its life-time is shortened. And please put the distance from firearms and use it.

2. Do not apply shock or excess impact to it.

3. Don't disassemble t it at your pleasure.

4. If you cleanse products outside with inflammables such as alcohol or benzene, acetone etc.. it may cause chemical change and then its surface can be degenerated. So, please cleanse it with dry cloth.

# Specifications

## Neckloop Receiver

| | |
|---|---|
| Used wireless frequency | 2.4GHz/ 216~217MHz |
| Range of receiving | Max. 100M |
| Max. output | 125dB |
| Operation power | Lithium Ion Battery (For charging : 3.7V) |
| Continuous using Time | 20 hours |
| DC input | DC5V/500 |
| Size | 47mm(W) X 71mm(D) X 17.3mm(H) |
| Weight | 40g |

## FM Transmitter

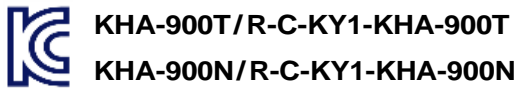| | |
|---|---|
| Used wireless frequency | 216~217MHz |
| Range of receiving | Max. 100M |
| Operation power | Lithium Ion Battery (For charging : 3.7V) |
| Continuous using Time | 20 hours |
| DC input | DC5V/ 1,000mA |
| Size | 59mm(W) x 79mm(D) x 19mm(H) |
| Weight | 62g |

**The transmitter must be fixed to the structure and be used at a distance of more than 10 cm and is prohibited from further manipulation except by experts.**

# Warranty

Our product's warranty period is a year from purchase, We're compensation for loss according to Consumer injury compensation rule.

| CASE OF CUSTOMER INJURY | | | COMPENSATION | |
|---|---|---|---|---|
| | | | WITHIN GUARANTEE PERIOD | AFTER GUARANTEE PERIOD |
| DISORDER ON NORMAL USE SITUATION | DISORDER ON NORMAL USE SITUATION WITHIN A MONTH AFTER PURCHASE CORE TECHNICAL PROBLEM | | FREE EXCHANGE | A/S PROVIDE AT A COST |
| | OVER 4TIMES DISORDER FOR SAME REASON | | FREE EXCHANGE | A/S PROVIDE AT A COST |
| | NOT AVAILABLE A/S | OVER 3TIMES DISORDER FOR SAME REASON | Free of charge A/S | A/S PROVIDE AT A COST |
| | NOT AVAILABLE A/S | WHEN EXCHANGE IS AVAILABLE | FREE EXCHANGE | Exchange after a fixed rage depreciation |
| User's carelessness | AVAILABLE A/S | | A/S PROVIDE AT A COST | A/S PROVIDE AT A COST |
| | WHEN REPAIRE IS IMPOSSIBLE | | EXCHANGE GOODS AFTER DEDUCTION OF REPAIR FEE | ACCORDING TO OUR CRITERIA |
| When company lost customers requested goods | | | Repayment of purchase price or Free Exchange Same as Goods | Exchange after a fixed rage depreciation |
| Holding period of parts is 5years from manufacturing. | | | | |

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