



# ***EH-101***

## **User Manual**

# ***EH-101***

---

■ Introduction .....	1
■ Applications .....	1
■ Important notes .....	1
■ Accessories .....	2
■ Control and settings .....	3
■ Advance Setting .....	7
■ Product specification .....	8

## ■ Introduction

Please read through user manual carefully before using this device and store the manual properly after use for future reference.

## ■ Applications

The amplifier EH-101 is used to support hearing-impaired people in conversations and better like quality. Speech and noise of the environment will optionally be picked up via the inbuilt microphone or internal reception coil. The amplified sound will be reproduced via headphones to the user. Instead of headphones, it will also be possible to connect an induction loop for transmitting the sound to hearing aids with a “telephone coil”. An additional input will also allow connection of an audio unit (e.g. CD player, mp3 player, iPod or a radio).

## ■ Important notes

- The amplifier corresponds to all required directives of the EU and USA and is therefore marked with **CE** and **FC**.
- The unit is suitable for indoor use only. Protect it against humidity and heat (admissible ambient temperature range 0-40°C).
- For cleaning the housing only use a dry, soft cloth. Never use water or chemicals.
- No guarantee claims for the amplifier and no liability for any resulting personal damage or material damage will be accepted if the amplifier is used for other purposes than originally intended, if it is not correctly operated, or if it is not repaired in an expert way.



If the unit is to be put out of operation definitively, please take it to a local recycling plant for a disposal which will not be harmful to the environment.

# ***EH-101***

---

## ■ **Accessories**

### ◆ Accessories



EH-101 Personal Amplifier

### ◆ Standard accessories



EM-201 Headphones



Neck Cord



Leather bag

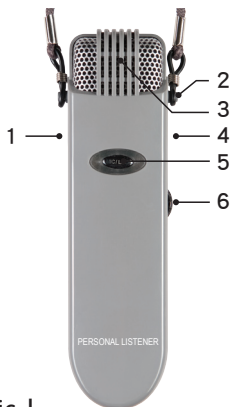
### ◆ Optional accessories



NL-90 Neckloop



AA Batteries



Pic.1



Pic.2

- |                           |                             |
|---------------------------|-----------------------------|
| (1) 3.5 mm headphone jack | (6) Volume control          |
| (2) Lanyard               | (7) Skid-proof pad          |
| (3) Microphone            | (8) Advance setting buttons |
| (4) 3.5mm jack AUX input  | (9) Battery compartment     |
| (5) MIC/LOOP button       | (10) Battery door           |

## ■ Control and settings

### I. Inserting or replacing the batteries

- 1) Open the cover of the battery compartment on the rear side of the amplifier.
- 2) Insert two batteries of size AA into the battery compartment like shown in picture 2.
- 3) Close the cover.

If the amplifier is not used for a longer period, remove the batteries to prevent damage to the amplifier due to battery leakage.

## **2. Connecting headphones or an induction loop**

Connecting headphones EM-201 to the 3.5 mm jack (I).

Alternatively, connect the induction loop NL-90 to the jack.

The loop is placed around your neck and will transmit the sound via a magnetic field to hearing aids with a “telephone coil”.



## **3. Connecting other audio sources**

The 3.5 mm jack AUX will allow connection of an audio unit with line output level (e.g. CD player, radio or the audio output of a TV set). Thus, the microphone will be switched off.

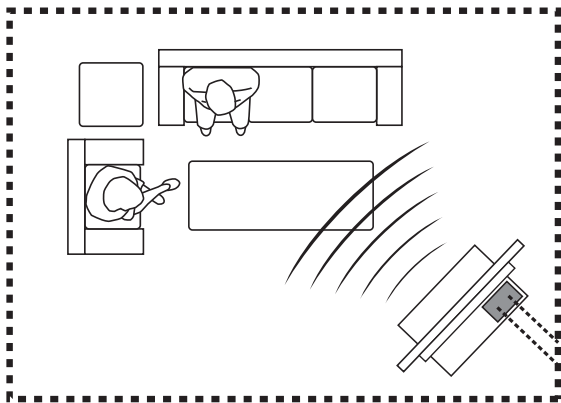


When being plugged in, it can only receive AUX sound source, thus, the microphone will be switched off.



## **4. Operating internal induction loop**

- 1) To activate internal induction loop, please set the MIC/LOOP button to the LOOP mode (MIC/LOOP button display in green).
- 2) Internal induction loop gets better results in areas with induction loop system built-in, such as church, and theater.
- 3) When internal induction loop has been activated, you can hear voice directly.
- 4) The icon on the right or similar icons to the right indicates induction loop system is built-in. You could also install induction loop system at place you desired like shown under. (For more information, please contact the seller you purchase this product from.)
- 5) When internal induction loop has been activated, microphone function will be switched off automatically, therefore, you won't hear any background noise.



## 5. Operation

- 1) Switch on the amplifier with the volume control (6); turn the rotary control downwards so it will just unlock.
- 2) For operation with headphones, select the audio source with the button MIC/LOOP (5): For the microphone or an audio source connected, disengage the button (button dimly lit in red). For reception via the internal coil (for operation at inductive sound reproduction systems), engage the button (button dimly lit in green).
- 3) Place the lanyard (2) with the amplifier around your neck or put it on a table so that the side with the microphone (3) will point to the person you are listening to. For optimum reception via the coil, hold or wear the amplifier in a vertical position.
- 4) When using induction loop mode, please place the device vertically to maximize the performance.
- 5) Adjust the desired volume with the control (6). If there is no sound, the batteries may be exhausted.
- 6) To prevent unnecessary battery consumption, switch off the amplifier after use. For this purpose, turn the control (6) upwards until it locks.



Volume down / off



Volume up / on



MIC/LOOP button.  
You can switch from LOOP to MIC in order to hear other's voice during conversation



## ■ Advance settings

Switches inside battery compartment can use for the following setting:

### 1. Amplification level increase

If volume is too low even if the control (6) is tuned up considerably, switch 1 will additionally increase the amplification.



Normally increasing



Additionally increasing

### 2. Switching off the bass attenuation

To improve speech intelligibility and to prevent hum interference when receiving sound via the internal coil, a high-pass filter is integrated to attenuate low frequencies. If low frequencies are desired, e.g. when listening to music, switch off the filter with switch 2.



High-pass filter switched on (bass attenuation)



High-pass filter switched off (normal bass reproduction)

### 3. Restricting the selection of audio sources

If the audio source is not to be switched over with the button MIC/LOOP (5), define the operating mode with the switch 3 and 4.



Selection of audio sources via the button MIC/LOOP (5)



Microphone or audio until connected to the jack AUX (4)  
(button MIC/LOOP without function)



or  internal reception coil (MIC/LOOP without function)

## ■ Specifications

**AUX input:** Connection: 3.5 mm stereo connection

Sensitivity: 200 mV

Maximum input level: 1.5 V

**Headphone:** Connection: 3.5 mm jack, stereo connection

Output power: 7 mW \* 2 @ 32Ω

**Power supply:** batteries of size AA, 2 X 1.5V

**Power consumption:** 10 mA

**Dimensions (D x W x H):** 29 X 49 x 152 (mm)

**Weight:** 270 g

Subject to technical modification.



