



## Multi Mic

### Product Description

The Multi Mic is a premium quality portable device that streams speech and audio directly to your client's hearing aid.

#### It offers:

- Exclusive and discrete design that is small and lightweight
- One-to-one speech streaming when worn by a single speaker
- Table microphone functionality, picking up speech from multiple speakers in its radius
- Pickup of teleloop signals via in-built telecoil
- Pickup of FM signals (Europin FM receiver required)
- Plug-and-play line-in mini-jack connector (mixed mono)

This plug-and-play device is effortless to use, and reliably improves signal-to-noise ratio and speech understanding in difficult listening situations where distance, background noise or poor acoustics is an issue.

It transmits the voice of a speaker(s) directly into your client's hearing aids without the need for any extra devices, such as cables, cords or necklaces. When placed horizontally on a table, the Multi Mic automatically switches into an optimized table mode to enable pickup of the voices of multiple speakers.

An additional real-life benefit is that, since the listener is not required to look directly at the speaker(s) during a conversation, he or she is free to perform dual attention tasks that normal hearing people take for granted.

In essence the Multi Mic extends the hearing range well beyond the reach of any hearing aid in a variety of situations, such as when having conversations:

- at home, at school or at work
- in the car
- while dining out

Additionally, being able to tap into tele-loop and FM signals (FM Euro pin receiver required) as well as offering line-in connection makes the Multi Mic the most versatile portable speech and audio streamer in the market.

### Easy to connect

- Just press the pairing button on the Multi Mic, and open and close the battery door of the hearing aids within 20 seconds to pair with the hearing aids
- Pairing can also be done through the fitting software
- One time pairing procedure - once paired the Multi Mic stays paired with the hearing aids

### Easy to use

- Simply turn the Multi Mic ON and switch the hearing aids into streaming mode
- Easy to recharge using the included charger
- Talk time:
  - Microphone mode: Typical 11 hours
  - Line-in mode: Typical 11 hours
  - Telecoil mode: Typical 7 hours
  - FM mode: Typical 10 hours
- When worn vertically (clipped on or worn on lanyard) it automatically switches into directional mode and minimizes background noise.
- When placed horizontally on e.g. a table it automatically switches into a mode optimized for picking up the voices of multiple speakers
- Plug-and-play line-in and FM functionality
- Volume control adjustment for personal preference (incl. volume control lock)
- Drop detector - mutes transmitted signal momentarily when dropped from heights above 75 cm (~30 inches)
- Can be controlled via connected apps

### 2.4 GHz wireless Technology

- A smart, robust and reliable international standard that has a strong, clear and stable signal
- No synchronization issues between sound and image due to an unnoticeable 20ms delay
- No need to wear an intermediary device, as the signal is transmitted directly to the hearing aids

#### Worldwide Headquarters

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## Description

- |                                |  |                    |
|--------------------------------|--|--------------------|
| 1 Power button                 | 9 Volume up  | 16 AC/DC Adaptor   |
| 2 Microphone inlet             | 10 Micro USB for charging                          | 17 Charging cable  |
| 3 Microphone inlet             | 11 Mute light indicator (LED)                      | 18 Mini-jack cable |
| 4 Status light indicator (LED) | 12 Mode and battery status light indicators (LEDs) | 19 Carrying pouch  |
| 5 Line-in                      | 13 Mode button                                     | 20 Lanyard         |
| 6 FM connector                 | 14 Paring button                                   |                    |
| 7 Volume down                  | 15 Mounting clip                                   |                    |
| 8 Mute button                  |  |                    |



## Technical data

<b>Dimensions</b>	61 x 28.5 x 22 mm / 2.4 x 1.1 x 0.87"
<b>Weight</b>	22 gram / 0.78 oz
<b>Power supply</b>	Build-in rechargeable battery
<b>Power connector</b>	Micro USB
<b>Battery life (fully charged)</b>	Microphone & Line-in mode: Typical 11 hours FM mode: Typical 10 hours Telecoil mode: Typical 7 hours
<b>Charging time</b>	Max 3 hours, depending on initial state of the battery
<b>Wireless frequency</b>	2.4GHz
<b>Wireless Range</b>	Up to 25meters / 82 feet (Clear line of sight)
<b>Wireless connections</b>	Multiple hearing aids per Multi Mic. Up to 3 streaming devices per binaural set of hearing aids
<b>Transmission Latency to Hearing aid</b>	20ms
<b>Audio interface</b>	Dual microphone voice pick-up
<b>Audio Frequency range</b>	100-8000 Hz +3dB (Tele-coil: 350-8000Hz)
<b>Microphone acoustic sensitivity</b>	Equal to hearing aid +3dB
<b>Table mode (horizontal)</b>	Omnidirectional microphone mode with active noise reduction
<b>Clip mode (vertical)</b>	Noise suppression microphone mode with directional focus towards speakers mouth
<b>Microphone limiter</b>	Acoustic inputs above 85dB SPL are limited to avoid unpleasant loud outputs
<b>Tele-coil sensitivity</b>	100 mA/m is equivalent to 70dB SPL acoustic input
<b>Line-in sensitivity</b>	18 mV is equivalent to 70dB SPL acoustic input
<b>DAI/FM (Euro plug) sensitivity</b>	4 mV is equivalent to 70dB SPL acoustic input
<b>Max line-in level</b>	500 mVrms (Rin = 3.9k1)
<b>Max DAI/FM level</b>	70 mVrms (Rin = 250k1)
<b>ESD tolerance</b>	According to IEC 61000-4-2 Electro-static discharge immunity test standard 6kV Contact discharge method / 8kV Air discharge method
<b>Hearing aid Wireless Interface Compliance</b>	EN300 328, ETSI EN 300 440-1 FCC CFR 47 Part 15, Subpart C, § 15.247
<b>Operating &amp; charging temperature</b>	0 to 45°C / 32 to 113°F May also be used in environments below 0°C with reduced battery lifetime
<b>Storage temperature</b>	-20 to 45°C / -4 to 113°F