

# ReSound Multi Mic



## Product Description

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

### 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
- Connect to teleloop system via built-in telecoil
- Connect to FM systems (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 are an issue.

The Multi Mic transmits the voice of a speaker(s) directly into your client's hearing instruments without the need for any extra devices, such as cables, cords or necklaces. When placed horizontally on a table, the ReSound 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.

The ReSound Multi Mic extends the hearing range beyond the standard reach of any hearing instrument in many situations, such as:

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

The ability to tap into teleloop and FM signals (FM Euro pin receiver required) as well as offering line-in connection makes the ReSound Multi Mic the most versatile portable speech and audio streamer on the market.

## Easy to connect

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

## Easy to use

- Simply turn the ReSound Multi Mic ON and switch the hearing instruments into streaming mode
- Easy to recharge using the included charging cables
- Talk time:
  - Microphone mode: 11 hours
  - Line-in mode: 11 hours
  - Telecoil mode: 7 hours
  - FM mode: 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 ~30 inches (75cm)
- Can be controlled via ReSound 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
- A signal that is transmitted directly to the hearing aids without the need to wear an intermediary device

Manufacturer according to FDA:

**GN ReSound North America**  
8001 E Bloomington Freeway  
Bloomington, MN 55420  
USA  
1-888-735-4327  
resound.com

**ReSound Government Services**  
8001 E Bloomington Freeway  
Bloomington, MN 55420  
USA  
1-800-392-9932  
resound.com/veterans

Manufacturer according to Health Canada:

**GN Hearing A/S**  
Lautrupbjerg 7  
DK-2750 Ballerup  
Denmark  
CVRno. 55082715

Distributor in Canada:

**ReSound Canada**  
2 East Beaver Creek Road, Building 3  
Richmond Hill, ON L4B 2N3  
Canada  
1-888-737-6863  
resound.com

# ReSound

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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>	2.4 x 1.1 x 0.87" / 61 x 28.5 x 22 mm
<b>Weight</b>	0.78 oz / 22 gram
<b>Power supply</b>	Built-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 82 feet / 25 meters (Clear line of sight)
<b>Wireless connections</b>	Multiple hearing instruments per ReSound Multi Mic. Up to 3 ReSound streaming devices per binaural set of hearing instruments
<b>Transmission Latency to Hearing Instrument</b>	20ms
<b>Audio interface</b>	Dual microphone voice pick-up
<b>Audio Frequency range</b>	100-8000 Hz $\pm$ 3dB (Tele-coil: 350-8000Hz)
<b>Microphone acoustic sensitivity</b>	Equal to hearing aid $\pm$ 3dB
<b>Table mode (horizontal)</b>	Omni directional 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>Telecoil 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 = 3.9k $\Omega$ )
<b>Max DAI/FM level</b>	70 mVrms (Rin = 250k $\Omega$ )
<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 Instrument 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>	32 to 113 °F / 0 to 45 °C May also be used in environments below 0 °C with reduced battery lifetime
<b>Storage temperature</b>	-4 to 113 °F / -20 to 45 °C

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