

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
- 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 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 that normal hearing people take for granted.

In essence the ReSound Multi Mic extends the hearing range well beyond the reach of any hearing instrument 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 ReSound Multi Mic the most versatile portable speech and audio streamer in 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 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 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
- No need to wear an intermediary device, as the signal is transmitted directly to the hearing aids

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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

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

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