

ReSound ONE with M&RIE

What makes M&RIE so groundbreaking?

Our most advanced hearing solution yet, ReSound ONE™ can be configured as a traditional RIE (Receiver-in-Ear) or as a new class of device with M&RIE (Microphone & Receiver-In-Ear). With M&RIE, we have placed an additional microphone in the ear canal. This unique placement allows your patients to take full advantage of what the pinna was designed to do, collect and direct sound so patients can hear with their own ears for a more organic sound experience. By combining the benefits of a RIE with the microphone placement benefits of a custom device, your patients can truly hear like no other.



How does M&RIE work?

Our individual anatomy including our outer ears, head and torso uniquely shape the sound that enters the ear canal, providing acoustic cues that the brain uses to help us orient to our environment, perceive the depth and direction of sounds, and untangle overlapping sounds. This shaping is as individual as your fingerprint and what makes the sound natural to each person.

In addition to the two microphones on the hearing aid, the M&RIE receiver module includes a microphone that collects sound in the ear canal, preserving each individual detail.

With All Access Directionality, users get the most natural sound quality with M&RIE in quiet and moderately complex environments, while the device microphones provide a boosted SNR in noisier situations.

Why will your patients prefer ReSound ONE with M&RIE?

Satisfied users consistently report benefits such as:

NATURAL SOUND QUALITY WITH DEPTH AND DETAIL

90% of listeners prefer M&RIE for natural sound quality¹.

BETTER LOCALIZATION AND SPATIAL AWARENESS

10% fewer front-back confusions than with a traditional RIE². This is because using the pinna to collect sound gives users a better sense of depth and direction, with significantly better overall localization.

WIND NOISE PROTECTION

15dB natural wind noise reduction without reducing gain³.

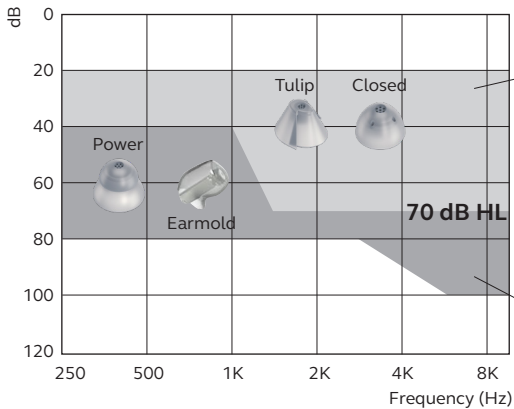
EASY, NATURAL PHONE PLACEMENT FOR CALLS

95% of users report effortless non-streamed phone calls with M&RIE⁴.

1. With mild hearing loss compared to pinna restoration and omnidirectional. Groth 2020.
 2. With mild hearing loss compared to standard RIE with pinna restoration. Jespersen et al 2020.
 3. Compared to omnidirectional at wind speed of 5 m/s. Groth 2020.
 4. Percentage of users who report regular calls without effort or very little effort. Hartenstein, R.W. & Quilter, M.E. 2021. Subjective experience of telephone listening with M&RIE.

How to get the most organic sound from M&RIE

Patients with hearing losses ranging from mild to severe can benefit from M&RIE. The recommended dome for your patients depends on their hearing at low frequencies and the size of their ear canals. M&RIE is best for patients whose audiograms fit entirely within the indicated fitting ranges below.



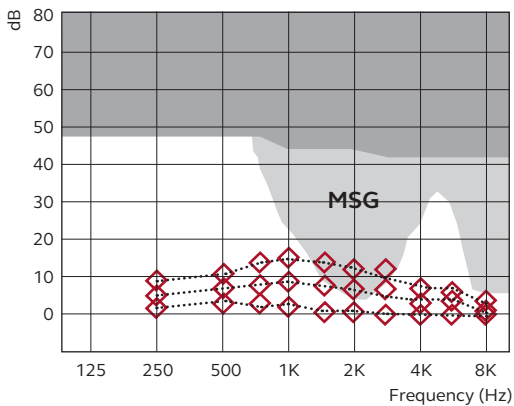
Best results in this range are obtained with Closed or Tulip dome

Users rate the Tulip and Closed domes highly for sound quality, own voice and occlusion. Both domes provide the same degree of openness, with a 10 dB vent effect at 500 Hz

Tulip and Closed domes increase available stable gain by approximately 3 dB relative to the Open dome

Power domes and Earmolds are recommended for users with hearing loss within this range

Earmolds can be customized to any hearing loss severity and are an excellent option for patients with moderate-to-severe hearing loss



FITTING CONSIDERATIONS IN RESOUND SMART FIT*

- It is acceptable to fit with gains approximately 10 dB into the light grey area indicating the Maximum Stable Gain (MSG). The risk of feedback in this case is minimal. This is because DFS Ultra III has an added feedback cancellation channel to account for the canal microphone
- If the MSG is low, select a more occluding dome or consider a custom Earmold

*Based on clinical validation using ReSound's proprietary Audiogram+ fitting rule.

Receiver and dome recommendation

ReSound ONE is compatible with the full range of SureFit 3 receivers and domes. All receivers are automatically detected in ReSound Smart Fit fitting software.

	M&RIE	LP	MP	HP	UP
Open	○	●	●	○	
Tulip	●	●	●	●	
Closed	●	●	●	●	
Power	●	○	●	●	
Earmold	●	●	●	●	
Encased		●	●	●	●

Manufacturer according to FDA:

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