

# 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 the M&RIE receiver, we are putting the microphone back where it belongs - in the ear canal. This unique placement enables your clients to take full advantage of what the pinna was designed to do, allowing them to 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 CIC (Completely-in-Canal), your clients can truly hear like no other.



## How does M&RIE work?

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 clients 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 quality<sup>1</sup>.

### BETTER LOCALISATION AND SPATIAL AWARENESS

**10%** fewer front-back confusions than with a traditional RIE<sup>2</sup>. This is because using the pinna to collect sound gives users a better sense of depth and direction, with significantly better overall localisation.

### WIND NOISE PROTECTION

**15dB** natural wind noise protection without reducing gain<sup>3</sup>.

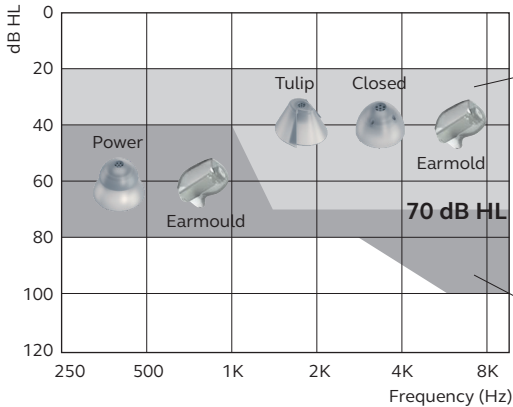
### EASY, NATURAL PHONE PLACEMENT FOR CALLS

**95%** of users report effortless non-streamed phone calls with M&RIE<sup>4</sup>.

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.

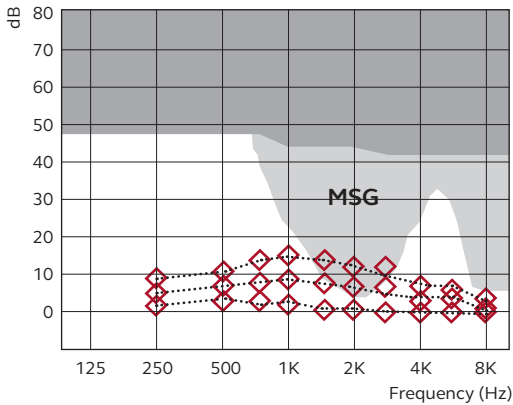
# How to get the most organic sound from M&RIE

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



- Best results in this range are obtained with a 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 Earmoulds are recommended for users with hearing loss within this range
- Earmoulds can be customised to any hearing loss severity and are an excellent option for people 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 MSG is low, select a larger dome or consider a custom Earmould
- M&RIE has been thoroughly validated using the proprietary Audiogram+ fitting rule

## Receiver and dome recommendation

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

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

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