A GUIDE FOR PROFESSIONALS

Power plus performance



ReSound ENZO Q™

The complete hearing solution for severe-to-profound hearing loss

ReSound GN

GN Making Life Sound Better
FOR 150 YEARS

ReSound ENZO Q – beyond powerful

Confidence starts with a hearing experience that enables people to hear and enjoy sounds all around them – in any environment – clearly, comfortably, reliably and hassle-free. ReSound ENZO Q, our newest Premium-Plus hearing aid for severe-to-profound hearing loss, is a complete hearing solution that provides high-quality sound from any direction, all the needed gain with no feedback, and seamless connectivity to virtually any audio source.

Combined with remote fine-tuning via ReSound Assist and real-time patient support with the new ReSound Assist Live, the result is a more powerful and personalized hearing experience than ever before.



Crystal clear, comfortable, high-quality sound

IMPRESSIVE CHIP PLATFORM

With added processing capabilities, memory and efficiency, our most powerful chip platform provides the foundation for the most advanced sound processing available. The result is clear, comfortable sound, extensive options for connectivity, and a battery life that lasts up to 20% longer.

ACHIEVING CLEAR AND COMFORTABLE SOUND

High levels of amplification help people with severe-to-profound hearing loss feel connected and confident in their surroundings. However, it can also be tiresome or bothersome when unpleasant sounds are amplified. This patient population also shows larger variability in their preferences for amplified sound.

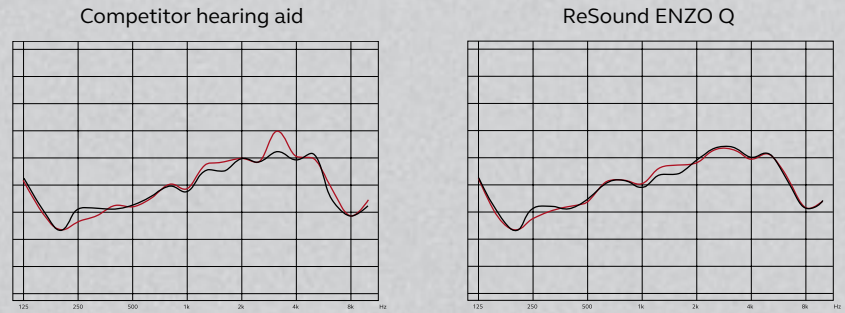
60%
improvement in hearing speech in noise[1]

Research shows that people with severe-to-profound hearing loss experience 60% improvement in hearing speech from the side or behind them[2] in noisy conditions with our technology.

ReSound ENZO Q strikes the right balance by combining Sound Shaper frequency compression to help patients experience the high frequency sounds that would otherwise be inaudible with advanced noise management. Using accurate environmental analysis, Environmental Optimizer II automatically adjusts volume, and NoiseTracker II adjusts noise reduction settings to just-right levels to keep distracting background sounds at comfortable yet still audible levels. Impulse Noise Reduction takes the edge off sounds with sudden onset, which can be particularly jarring when heard through hearing aids.

LESS FEEDBACK, MORE GAIN

Clear and comfortable sound is only possible if the hearing aid can provide enough gain without feedback. DFS Ultra II increases the usable gain for any fitting without compromising in dynamic daily situations.



Compared to another premium hearing aid for severe-to-profound hearing loss, DFS Ultra II prevented ReSound ENZO Q from creating a feedback spike when a hand was held near the hearing aid microphones.

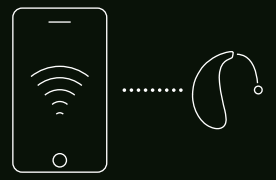
1. With Binaural Directionality III compared to omni directionality (data on file)

2. Compared to other premium hearing aids with strong directionality for severe-to-profound hearing loss, Jespersen et al, 2017



Even greater connectivity and direct streaming

Your patients can stream directly from iOS® and Android™ devices* to their hearing aids and enjoy clear, comfortable sound. Talking on the phone, watching TV or listening to music, it's as simple as using wireless stereo headphones.



50%

better speech understanding with ReSound

Research shows that when streaming to ReSound hearing aids, users can understand 50% more of the conversation on average, compared to a regular phone call.[1]

TELECOIL COMPATIBILITY

ReSound ENZO Q also has a built-in telecoil, which enables your patients to connect to loop systems, so they can enjoy amplified sounds delivered directly to their hearing aids in public spaces, such as lecture halls or live venues.

*Full streaming compatibility with Android devices requires minimum Android v10 and Bluetooth 5.0 and that functionality has been enabled by the phone manufacturer and service carrier. ReSound cannot guarantee full compatibility with all Android devices.

1. Jespersen & Kirkwood, 2015.

Wireless accessories to make life easier

At work or play, ReSound wireless accessories can help your patients in challenging listening situations. The stylish accessories work together as an intelligent system for a seamless real-time listening experience.

ReSound accessories are both future-proof and backward compatible. They are easy to connect to virtually any sound source and stream the sound directly to ReSound ENZO Q hearing aids.



ReSound
Micro Mic



ReSound
Multi Mic



ReSound
TV Streamer 2



ReSound
Phone Clip+



ReSound
Remote Control



ReSound
Remote Control 2

RESOUND MICRO MIC

Keeping up with conversations in noisy environments becomes easier with this mic. Clip it onto the clothing of the conversation partner – it works up to 80 feet away in a clear line of sight.

RESOUND MULTI MIC

The mic clips onto the clothing of the conversation partner and also has the ability to connect with loop and FM systems[1] for better speech understanding in noisy environments. It can also be placed on a table to work as a table microphone for larger group conversations.

RESOUND TV STREAMER 2

Streams sound from the TV directly to the hearing aids. The user's volume can be set and adjusted independently of the TV's volume for any other viewers.

1. FM receiver required

RESOUND PHONE CLIP+

Clip onto clothing to make clear phone calls, mute background noise, or stream music or audio from any Bluetooth® enabled phone or smart device.

RESOUND REMOTE CONTROL

The large grooved buttons offer ease of use, especially for patients with dexterity issues. Quick adjustments to hearing aid volume and switching between programs is more discreet than ever, due to the small size.

RESOUND REMOTE CONTROL 2

Users can comfortably and easily adjust volume and program settings of their hearing aids, mute them, switch programs, and check all wireless accessory connections.

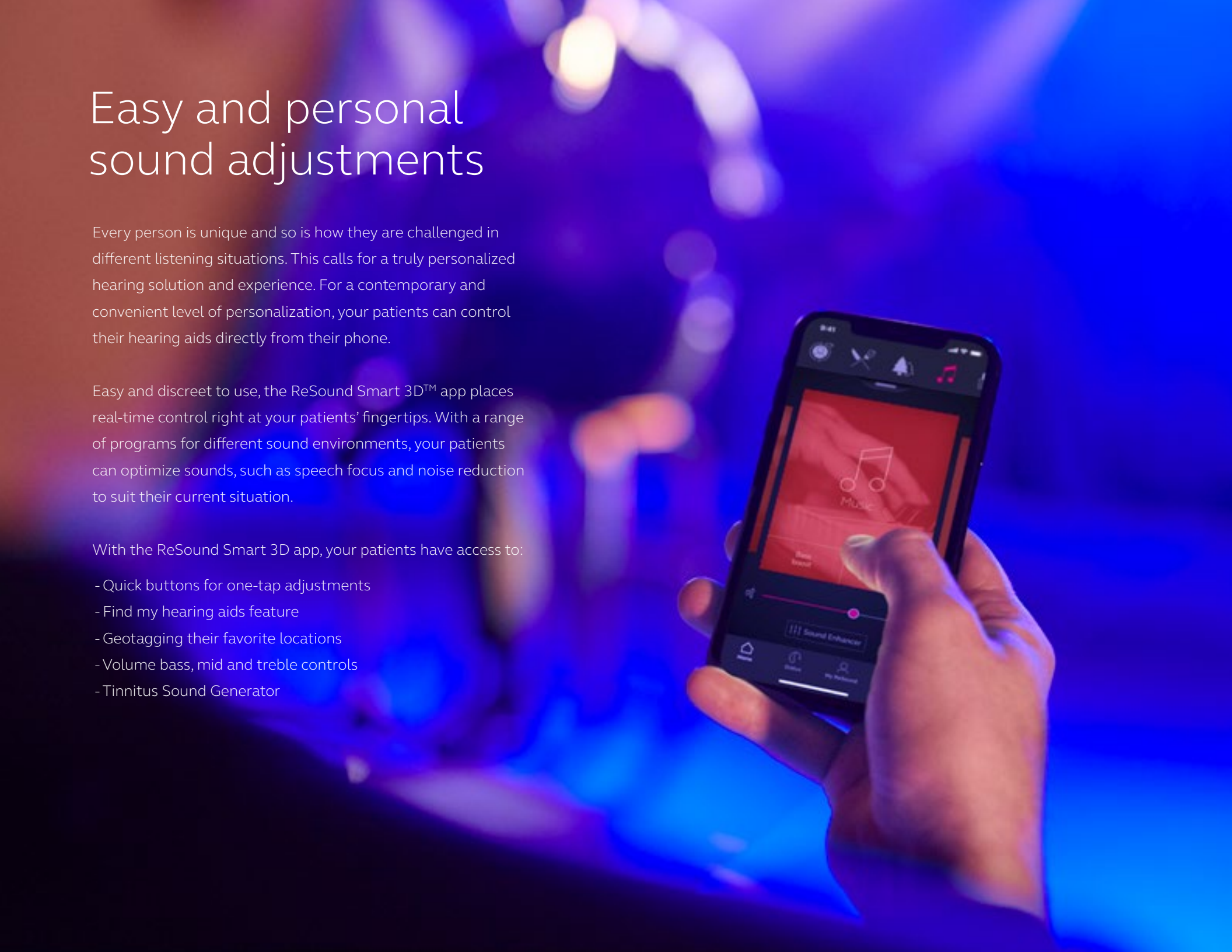
Easy and personal sound adjustments

Every person is unique and so is how they are challenged in different listening situations. This calls for a truly personalized hearing solution and experience. For a contemporary and convenient level of personalization, your patients can control their hearing aids directly from their phone.

Easy and discreet to use, the ReSound Smart 3D™ app places real-time control right at your patients' fingertips. With a range of programs for different sound environments, your patients can optimize sounds, such as speech focus and noise reduction to suit their current situation.

With the ReSound Smart 3D app, your patients have access to:

- Quick buttons for one-tap adjustments
- Find my hearing aids feature
- Geotagging their favorite locations
- Volume bass, mid and treble controls
- Tinnitus Sound Generator



Flexible and accessible hearing care

It can be difficult for some patients to get to the clinic for a follow-up appointment. ReSound Assist gives you more ways to provide comprehensive, accessible hearing care if your patients can't make it to the office or just prefer remote follow-up care.

OFFER FACE-TO-FACE, REAL-TIME HEARING CARE

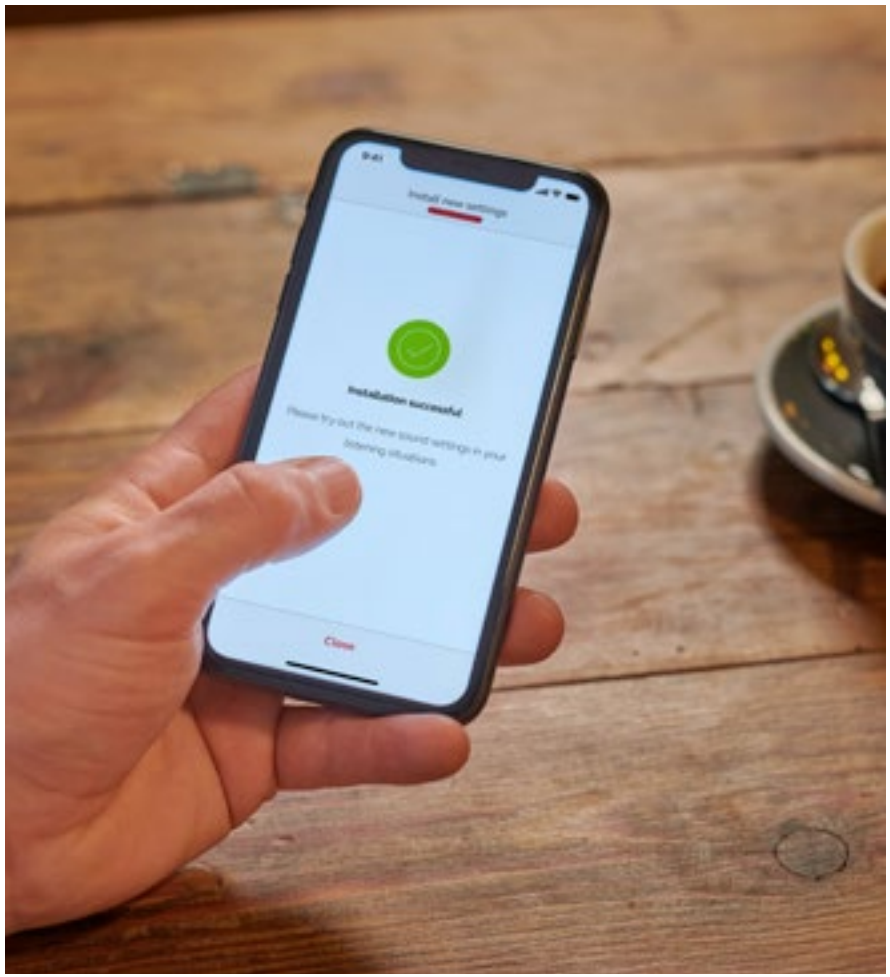
The new ReSound Assist Live and the ReSound Smart 3D app make online face-to-face fitting sessions easy. Simply connect via a video call to remotely fine-tune your patients' hearing aids directly from your ReSound Smart Fit software in real-time.

SEND FINE-TUNED ADJUSTMENTS ANYTIME

Offer your patients an even greater level of service by sending fine-tunings directly to their ReSound Smart 3D app. Keep track of how they feel with the built-in user satisfaction ratings.

MORE TOUCHPOINTS FOR PATIENT CARE

With ReSound Assist, our comprehensive remote hearing care solution, you can offer your patients a personalized hearing care program in multiple ways: live sessions in your clinic, remote face-to-face fittings, and remote fine-tunings.



Stylishly reliable and robust



HIGH POWER
HP BTE 88

SUPER POWER
SP BTE 98

Sterling Grey | Silver | Pearl White | Anthracite | Black | Beige | Light Blonde | Medium Blonde | Dark Brown | Glossy Black | Forest Camo | Desert Camo | Ocean Camo

Available in two models, the High Power BTE 88 and the Super Power BTE 98 offer the comfort your patients want and the reliability they need. Both models are available in 13 colors to suit the style of the individual user.

Each robust ReSound ENZO Q hearing aid is factory treated with a protective iSolate nanotech coating, which repels water, cerumen and debris to protect the devices. The new hearing aids also boast a dust and water resistance rating of IP68.

PERFECTLY COMPLEMENTS COCHLEAR™ IMPLANTS

The Smart Hearing Alliance, a unique collaboration between Cochlear and ReSound, makes it easy to provide a bimodal solution for your patients.

Together, Cochlear and ReSound have optimized the bimodal fitting including aligning the acoustic indicators of the hearing aid, so the two devices work as one system. The Smart Hearing Alliance also brings advanced connectivity solutions to your bimodal patients, including the ability to stream to both devices simultaneously from a compatible smart device.*

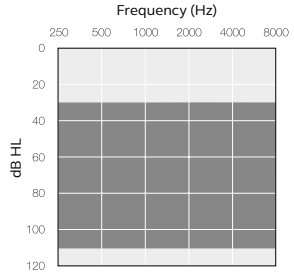
Cochlear® | ReSound GN

Smart Hearing Alliance

* For compatibility information and devices visit cochlear.com/compatibility and pro.resound.com/en-us/products/compatibility.

FITTING RANGE AND TECHNICAL SPECIFICATIONS



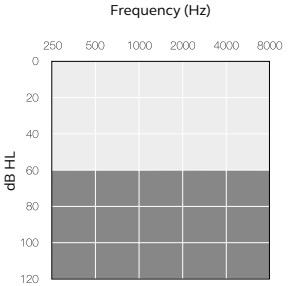


		EQ88-DWHT		
		IEC 60118-0 2nd IEC 711 Ear simulator	IEC 60118-0 3rd IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	60	53	dB
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	80 73	73 67	dB
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	141 135	134 130	dB SPL
Total harmonic distortion	500 Hz 800 Hz 1600 Hz 3200 Hz	1.4 0.6 0.8 -	2.8 0.4 0.4 0.1	%
Telecoil sensitivity (1 mA/m input)	Max.	110	103	
HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	123	114	dB SPL
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	104	98	
Equivalent input noise, w/o Noise reduction		23	22	dB SPL
1/3 Octave Equivalent input noise, w/o Noise reduction		13	12	dB SPL
Frequency range IEC 60118-0: 2015		100-5270*	100-4940	Hz
Current Drain (Quiescent / Operating)		1.18/1.4	1.18/1.4	mA

Data in accordance with IEC60118-0 Edition3.0 2015-06, IEC60118-7 and ANSI S3.22-2009, supply Voltage 1.3V

* Measured according to IEC60118-0:2015, with 711-Ear simulator coupler.



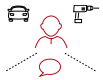


		EQ98-DWT		
		IEC 60118-0 2nd IEC 711 Ear simulator	IEC 60118-0 3rd IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	62	53	dB
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	86 74	83 67	dB
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	144 136	141 130	dB SPL
Total harmonic distortion	500 Hz 800 Hz 1600 Hz 3200 Hz	4.7 0.8 0.8 -	4.2 0.5 0.7 0.2	%
Telecoil sensitivity (1 mA/m input)	Max.	117	113	
HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	123	113	dB SPL
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	106	98	
Equivalent input noise, w/o Noise reduction		23	27	dB SPL
1/3 Octave Equivalent input noise, w/o Noise reduction		7	8	dB SPL
Frequency range IEC 60118-0: 2015		100-6120*	100-5200	Hz
Current Drain (Quiescent / Operating)		1.3/1.7	1.3/3.3	mA

Data in accordance with IEC60118-0 Edition3.0 2015-06, IEC60118-7 and ANSI S3.22-2009, supply Voltage 1.3V

* Measured according to IEC60118-0:2015, with 711-Ear simulator coupler.

FEATURE OVERVIEW RESOUND ENZO Q

FEATURE	ADVANTAGE	BENEFIT
Binaural Directionality III		
	Continuous ear-to-ear exchange of data about the environment optimizes polar patterns and microphone settings in any listening situation.	By providing the brain with the right information from both ears, your patients can effortlessly follow conversations and shift attention naturally.
Spatial Sense		
	Combines algorithms that restore pinna cues and interaural level differences to provide the brain with natural acoustic information for spatial hearing.	Supports your patients' ability to detect where sounds are coming from, so they experience a more natural sense of their surroundings.
Binaural Environmental Optimizer II		
	The hearing aids work together to analyze and accurately classify the listening environment, automatically adjusting gain and noise reduction settings.	This means your patients can enjoy optimal audibility and listening comfort, even when moving through rapidly changing sound environments.
Noise Tracker II		
	A unique spatial subtraction technology reduces unwanted noise without degrading the speech signal.	This improves your patients' comfort in noisy listening situations, without compromising speech understanding.
Impulse Noise Reduction		
	Reduces amplification for sudden, brief noises.	Improves listening comfort for impulse sounds without sacrificing audibility for moderate and loud sounds your patients need to hear.
Sound Shaper		
	High frequency sounds are compressed in the frequency spectrum. A proportional relationship between input and output frequencies is maintained to minimize distortion.	This improves the audibility of speech cues that would otherwise have been lost, while maintaining the best sound quality possible.
DFS Ultra II		
	Our unique, 2-channel, 2-filter system cancels acoustic feedback with even more precision.	This means your patients can enjoy extra comfort, and better audibility without feedback.
Flexibility in amplification strategies and time constants		
	ReSound ENZO Q offers semi-linear and linear compression modes as alternatives to WDRC.	This makes fitting more flexible by compensating for different loudness sensitivities, so you can provide comfortable sound levels for your patients.
Low frequency boost		
	A convenient tool to quickly fine-tune the gain of frequencies below 1000 Hz.	Provide a richer and fuller experience in sound quality.

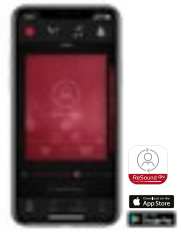
TECHNOLOGY LEVELS

MODEL	9	7	5
Device Configurations			
Battery size	HP: 13, SP: 675		
Colors available	13		
Audiological Features			
WARP compression (WDRC) - number of channels	17	14	12
Binaural Directionality III	●	-	-
Spatial Sense	●	-	-
Binaural Directionality	-	●	-
Natural Directionality II	●	●	●
Directional Mix Processor	●	●	●
Adjustable directional mix	●	-	-
Synchronized Soft Switching	●	●	-
Soft Switching	-	-	●
Autoscope Adaptive Directionality	●	-	-
Multiscope Adaptive Directionality	-	●	-
Adaptive Directionality	-	-	●
Binaural Environmental Optimizer II	●	-	-
Environmental Optimizer	-	●	-
Noise Tracker II	●	⦿	○
Expansion	●	⦿	○
Impulse Noise Reduction	●	●	-
Wind Guard	●	⦿	○
Sound Shaper	●	●	●
DFS Ultra II	●	●	●
Music Mode	●	●	●
Synchronized Acceptance Manager	●	●	●
Low Frequency Boost	●	⦿	○
Amplification Strategy (WDRC/Semi-Linear/Linear)	●	●	⦿
Tinnitus Sound Generator	●	●	●
Functional Features			
Synchronized Push Button	●	●	●
Synchronized Volume Control	●	●	●
Smart Start	●	●	●
Phone Now	●	●	●
Comfort Phone	●	●	●
Ear to Ear Communication	●	●	●
Direct audio streaming streaming (iOS and Android*)	●	●	●
ReSound Wireless Accessory compatibility	●	●	●
ReSound Smart 3D™ app	●	●	●
ReSound Assist			
Live Assistance	●	●	●
Remote Fine-Tuning	●	●	●
Remote Firmware Updates	●	●	●
Fitting Features			
ReSound Smart Fit™ 1.6 or higher	●	●	●
Fully Flexible Programs	4	4	4
Auto DFS	●	●	●
Onboard Analyzer II	●	●	●
Wireless Fitting with Noahlink Wireless	●	●	●

○ Basic
⦿ Advanced
● Ultimate

*Full streaming compatibility with Android devices requires minimum Android v10 and Bluetooth 5.0 and that functionality has been enabled by the phone manufacturer and service carrier. ReSound cannot guarantee full compatibility with all Android devices.

COMPATIBILITY OVERVIEW STREAMING, APP CONTROL AND WIRELESS ACCESSORIES









Control options

	ReSound Smart 3D	Phone Clip+	Remote Control 2	Remote Control
VOLUME AND PROGRAM FUNCTIONS				
Volume adjustments	Mon-/binaural	Binaural	Mon-/binaural	Binaural
Hearing aid program selection	Direct select	Toggle (1-2-3-1…)	Toggle (1-2-3-1…)	Toggle (1-2-3-1…)
Streamer selection	Direct select		Toggle (1-2-3-1…)	Toggle (1-2-3-1…)
Balance hearing aid volume vs. streaming volume	•		•	
Hearing aid mute	•	•	•	•
OTHER FUNCTIONS				
ReSound Assist	•			
Quick buttons – shortcuts to sound optimization	•			
Sound Enhancer – wind, noise, speech adjustment*	•			
Sound Enhancer – bass/middle/treble adjustment	•			
Tinnitus Manager adjustments	•			
Create favorite program with or without geo-tags	•			
Program/streamer name customization by user	•			
Find your lost hearing aid	•			
Phone operation		•		
Display of control options	•	•	•	

* Available in ReSound ENZO Q 9









Streaming options

	Phone Clip+	Multi Mic	Micro Mic	TV Streamer 2
STREAMER FUNCTIONALITY				
Power Source	Rechargeable – portable	Rechargeable – portable	Rechargeable – portable	Wall plug-in A/C adapter – stationary
Audio Quality	Stereo (A2DP)	Mono	Mono	Stereo
Voice Pickup	Directional microphone	Directional/ Omnidirectional	Directional microphone	
Telecoil		•		
Line-in		•		•
FM compatibility (FM receiver required)		•		
Audio streaming frequency range	A2DP streaming: 100 Hz to 10000 Hz Phone: 200 Hz to 3400 Hz	100-8000 Hz ±3 dB (Telecoil: 350-8000 Hz)	100-8000 Hz ±3 dB	100-10000 Hz

Phone and app options

Phone		Compatible ReSound product
iPhone*	Phone call	ReSound ENZO Q
	App use	ReSound Smart 3D
Android phones**	Phone call	ReSound ENZO Q
	App use	ReSound Smart 3D
Other Bluetooth-enabled phones	Phone call	ReSound ENZO Q and Phone Clip+

Go to pro.resound.com/compatibility for the full list of compatible devices.
* The ReSound Smart 3D app can be used on iPhone, iPad and iPod Touch.
**Full streaming compatibility with Android devices requires minimum Android v10 and Bluetooth 5.0 and that functionality has been enabled by the phone manufacturer and service carrier. ReSound cannot guarantee full compatibility with all Android devices.

At ReSound we understand how important it is for you to have a partner you can trust–one that not only has the latest technology, but also a shared commitment to go that extra mile to help people with hearing loss successfully adapt to life with hearing aids. So it's good to know we've been keeping our promise to help make life sound better for over 150 years, enabling you to help your patients hear more, do more and be more than they ever thought possible.

ReSound is part of the GN Group – pioneering great sound from world-leading ReSound hearing aids to Jabra office headsets and sports headphones. The GN Group was founded in 1869, employs over 5,000 people, and is listed on NASDAQ OMX Copenhagen.

Find out how you can help your patients benefit from the complete hearing solution for severe-to-profound hearing loss, ReSound ENZO Q.

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ReSound GN

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