

Technology Level Comparison

ReSound Sensia	Technology Level	ReSound Sensia Level 9 (60S microRIE) The world's smallest AI hearing aid¹	ReSound Sensia Level 9 (61, 62 & Custom RHI)	ReSound Sensia Level 7 (60S microRIE) The world's smallest AI hearing aid¹	ReSound Sensia Level 7 (61, 62 & Custom RHI)	ReSound Sensia Level 5 (60S, 61, 62 & Custom RHI)	ReSound Sensia Level 4 (60S, 61, 62 & Custom RHI)
	WARP Bands (Channels)	17	17	14	14	12	12
	Gain Handle	10	10	10	10	10	10
	All Around	Intelligent All-Around	360 All-Around	360 All-Around	360 All-Around	All Access Directionality	BD III
	Hear In Noise (HIN)	Intelligent Focus <i>Powered by Deep Neural Network (DNN) Chip</i>	Clear Focus	Intelligent Focus <i>Powered by Deep Neural Network (DNN) Chip</i>	Clear Focus	Front Focus	Ultra Focus
	Intelligent Noise Tracker	Up to Strong (-15dB)	N/A	Considerable only (-12dB)	N/A	N/A	N/A
	NoiseTracker II	Per Environment (-10dB)	Per Environment (-10dB)	Up to Strong (-10dB)	Up to Strong (-10dB)	Up to Considerable (-8dB)	Up to Moderate (-6dB)
	Directional Mix	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable
	Impulse Noise Reduction	Up to Strong	Up to Strong	Up to Strong	Up to Strong	Up to Moderate	Up to Moderate
	Wind Guard	Up to Strong	Up to Strong	Up to Strong	Up to Strong	Up to Moderate	Up to Moderate
	Expansion	Up to Strong	Up to Strong	Up to Strong	Up to Strong	Up to Moderate	Up to Moderate
	Sound Shaper	Up to Strong	Up to Strong	Up to Strong	Up to Strong	Up to Strong	Up to Strong
	Environmental Optimizer	EO II (Noise Reduction & Volume)	EO II (Noise Reduction & Volume)	EO I (Volume)	EO I (Volume)	EO I (Volume)	EO I (Volume)
	Colors	10 Metallic Colors	10 Metallic Colors	10 Metallic Colors	10 Metallic Colors	10 Metallic Colors	10 Metallic Colors
	Replaceable Mic Filters	Yes	Yes	Yes	Yes	Yes	Yes
	Auracast™	Yes	Yes	Yes	Yes	Yes	Yes
	Bluetooth® Low Energy Audio	Yes	Yes	Yes	Yes	Yes	Yes
	TapControl	Yes	N/A	Yes	60S microRIE only	60S microRIE only	60S microRIE only
	Chargers	Premium, Standard, Desktop (CFF8)	Custom Charger	Premium, Standard, Desktop (CFF8)	Custom Charger	Premium, Standard, Desktop (CFF8), Custom Charger	Premium, Standard, Desktop (CFF8), Custom Charger



Features and benefits explained

FEATURE NAME		FEATURE DESCRIPTION	USER BENEFIT
SIGNAL PROCESSING	AcoustIQ™	A 2-step process that analyzes the incoming sounds and classifies them into listening environments and then activates the right features, like gain, noise reduction and directionality.	Have confidence knowing the hearing aids are identifying the listening environment with 91% accuracy and feature engagement with 100% accuracy ² .
DIRECTIONALITY	Intelligent All-Around	Provides automatic adjustments in all listening environments, including DNN noise reduction automatically activating to improve speech intelligibility and listening comfort.	Hear what you want to hear in every listening environment with automatic adjustments happening behind the scenes.
	360 All-Around	Uses real time information about the user's environment and strong directional patterns to ensure smooth adjustments of directional settings.	Simply hear everything all around you, automatically enabling you to listen to the sounds you want and tune out what you don't.
	All Access Directionality	Uses real time information about the user's environment to automatically adjust the directional microphone patterns according to a binaural hearing strategy.	Effortlessly engage with people and pinpoint surrounding sounds in daily listening situations.
	Binaural Directionality III	Automatic directionality that determines the best microphone configurations across two hearing aids based on the level and location of speech and noise around the user. Caters to the way sound is processed in the brain. It also includes Spatial Sense for more natural sound processing.	Listen effortlessly and clearly in all situations, wherever speech or sounds are coming from.
	Intelligent Focus	Combines our strongest beamformer (Clear Focus) with Intelligent Noise Tracker, which reproduces a less noisy signal based on training via artificial intelligence technology. This results in more contrast between speech and unwanted noise for the listener.	Experience listening situations where difficult noises are minimized and speech directly in front of you is maximized, giving you an overall preferred experience.
	Clear Focus	Our strongest beamformer yet by activating directionality across more channels for maximum enhancement of sounds from the front.	Get an extra boost in noisy situations to hear the speaker in front of you clearly and hear less noise from your sides and back.
	Front Focus	Forms a stronger directional pattern using the sound from both hearing aids so your patient can focus on the person in front of them.	Hear through the noise to enjoy one-to-one hearing experience.
	Ultra Focus	Forms a powerful directional pattern using the sound from both hearing aids so your patient can focus on the person in front of them.	Great one-to-one hearing experience in the most noisy environments.
	Soft Switching	Uses Ear-to-Ear communication to automatically switch between omni-directional and directional modes depending on the sound environment, ensuring both instruments in a binaural fitting are in the same microphone mode, using slow and comfortable transitions.	No matter the location/listening environment, hear someone talking and conversations with ease.
	Autoscope	An automated form of Multiscope where the beamwidth adjusts depending on the strength of the speech signal in front of the user.	Hear clear, focused sound from the front, automatically optimized for your listening environment.
	Adaptive Directionality	Dynamically changes the directional pattern to best reduce unwanted noise around the hearing aid user.	Perfect for cutting above the noise to focus on a sound in front.
	Fixed Directionality	Provides a non-varying hypercardioid pattern to reduce noise coming from behind and the sides of the user.	Ideal for moments when you really want to concentrate on a sound or a person in front of you.
	Adjustable Directional Mix	Allows for adjustment of the frequency that blends between omnidirectional and directional processing.	Personalize and enhance the way you hear speech and your surroundings with a rich sound quality.
COMFORT	Environmental Optimizer II	Uses E2E communication to automatically adjusts the volume and the amount of noise reduction for optimum listening comfort and sound quality across 7 different listening environments.	Automatically hear clearly and comfortably in changing environments without adjusting a thing.
	Noise Tracker II per environment	Reduces disturbing background sound without affecting speech audibility. Noise reduction can be customized for different environments.	Enjoy improved listening comfort, hear speech clearly, and personalize the experience to suit you.
	Noise Tracker II	Reduces disturbing background sound without affecting speech audibility.	Hear speech clearly with greater listening comfort, even in noisy situations.
	Impulse Noise Reduction	Quickly detects and reduces amplification for sudden, brief loud noises.	Cushions the discomfort of sudden, loud sounds without affecting the sounds you want to hear.
	Wind Guard	Detects and reduces wind noise without reducing gain for other sounds.	Gives comfort in the great outdoors, so wind doesn't disturb the hearing experience.
	Expansion	Reduces low level noise in very quiet environments.	Enjoy listening in quiet environments without distractions.
FITTING & CONVENIENCE	Sound Shaper	Improves audibility of high-frequency sounds by compressing them to a lower frequency zone where they can be heard.	Hear the higher tones of speech that you would otherwise miss.
CONNECTIVITY	Auracast Assistant	Feature within the ReSound Smart 3D™ app allows users with compatible hearing aids to access Auracast Broadcasts (both public/private) with a tap.	Connect to public and private Auracast broadcasts with any phone that is compatible with the ReSound Smart 3D app.
	BTLE Audio	Bluetooth LE Audio is the next generation and new standard of Bluetooth technology.	Offers the clearest streamed sound to compatible devices with lowest latency and battery consumption for all-day streaming. (Bluetooth SIG)
	TapControl	Built in accelerometer enables TapControl for easy call answering.	Answer calls by simply double-tapping your ear or hearing aid. For a complete list of compatible devices, visit resound.com/compatibility .
	AutoStreaming	Available with ReSound Smart Fit™ and ReSound Smart 3D for Multi-Mic+ and TV-Streamer+.	When enabled, the Multi-Mic+ and TV-Streamer+ will automatically stream to the paired hearing aids when the accessory is turned 'on'.

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¹ GN Proprietary data on file; ²Groth & Cui (2024)
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