Technical Product Handbook

Fall 2026



FOR PROFESSIONAL USE ONLY



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Starkey is a pioneer in the hearing health industry,

consistently pushing the boundaries of technology to enhance the lives of individuals with hearing loss. As a recognized leader in hearing healthcare innovation, Starkey has harnessed advanced technologies—including artificial intelligence (AI), machine learning, and deep neural networks (DNN)—and was the first in the industry to integrate generative AI (Gen AI) into the hearing care experience.

Guided by a bold vision and an unwavering commitment to excellence, Starkey continues to deliver intelligent solutions that elevate both patient outcomes and provider success.

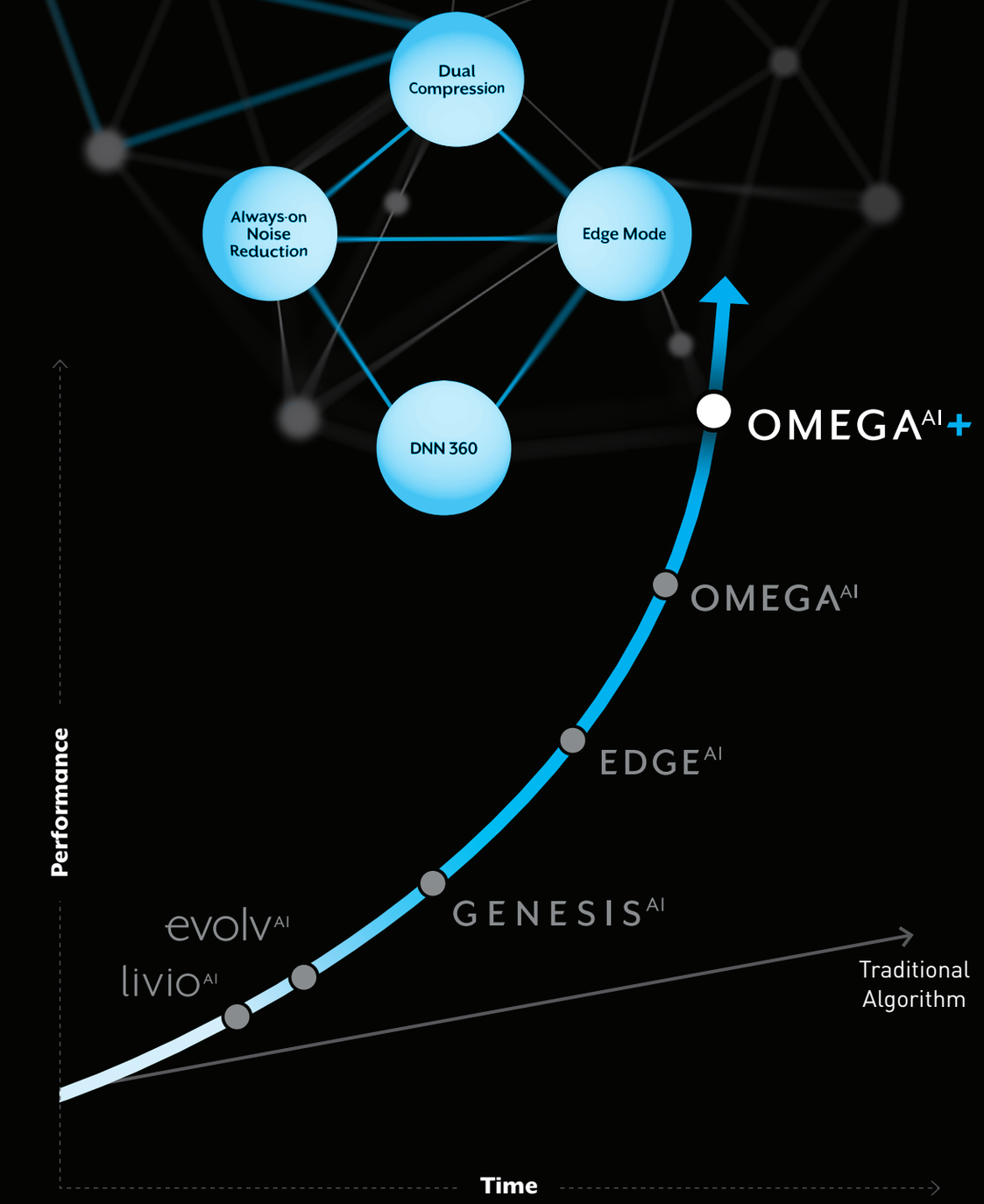
OMEGA AI+

With Omega AI+, Starkey innovated **the industry's first DNN Dual Compression System** to tailor compression adjustments for clear conversations and better sound quality. An improved **Edge Mode** incorporates model updates to the DNN Noise reduction for better aided signal-to-noise ratio in complex listening situations – enable it when needed or start the day with it, with the new always-on Edge Mode functionality **all without compromising battery life.**

BREAKTHROUGH

QUAD DNN ARCHITECTURE.

INNOVATION UNMATCHED.



OMEGA^{AI}+

THE WORLD'S FIRST
DNN DUAL COMPRESSION SYSTEM

Intelligent dual compression system that prioritizes sound quality

+

EDGE MODE
CONTROL YOUR LISTENING INTENT

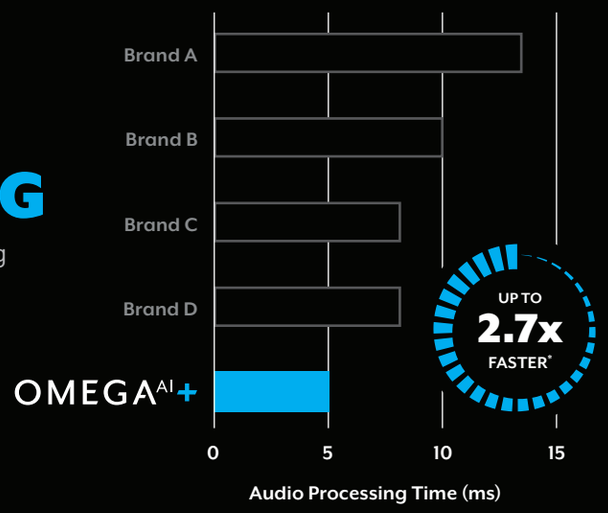
DNN-enhanced Edge Mode Reduce Noise has been shown to significantly improve listening comfort and reduce loudness compared to personal program alone.

Halvorsen et al. (2026).

+

FASTER **DNN PROCESSING**

Designed for more natural listening

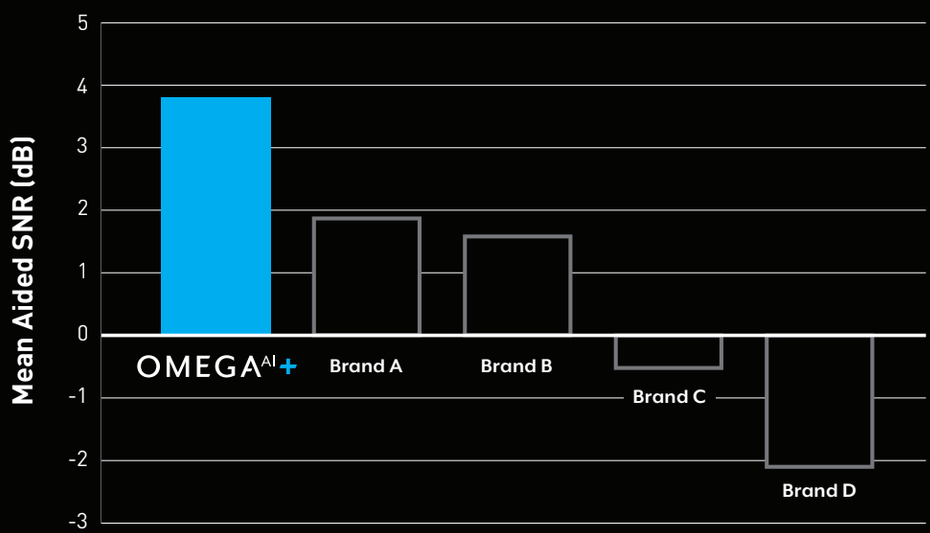


**Up to 2.7× faster than the slowest product tested in Shahar et al. (2026). Flagship devices evaluated were commercially available in July 2026.*

EDGE MODE

Edge Mode provides better signal-to-noise ratio (SNR) on average, compared to 4 other leading brands with DNN Processing.

Taylor et al. (2026). Flagship devices evaluated were commercially available in July 2026.



Bar chart of measured aided SNR showing the mean for the improved Edge Mode "Reduce Noise" condition, compared to Brands A, B, C, and D with flagship DNN processing.



Sense

Starkey hearing aids analyze the listener's surroundings to create a perceptual topology of the acoustic environment. The hearing aids can sense if a quiet or noisy environment is present, if multiple speakers are around, or if the listener is in motion — adjusting its processing strategy accordingly.

INDUSTRY FIRST

DNN Dual Compression

The perfect balance of comfort and clarity

Starkey's compression architecture uses independent, parallel fast and slow compression logics that combine for optimal performance. The fast compressor targets dynamic, fast-changing broadband components of the input signal, improving audibility for soft sounds while reducing contrast between loud and quiet speech segments. The slow compressor considers the audiogram and keeps environmental sounds within the patient's dynamic range, so that soft sounds are audible, average sounds comfortable, and loud sounds never overwhelming. It works on slower, static sub-band components, preserving sound quality and binaural cues.

The new compression system incorporates a DNN-powered controller that is designed to prioritize sound quality. The new DNN-Dual Compressor is 92% accurate at identifying speech from non-speech to more intelligently utilize the fast compressor only when necessary[1].

Fast compression enhances consonant audibility and maintains speech contrast for better conversational clarity. However, in certain environments (e.g. keyboard clicks, ticking clocks), fast compression can create rhythmic artifacts otherwise known as "pumping". The intelligent control system is designed and trained to moderate fast compression and to help improve speech clarity — delivering the best listening experience without compromising sound quality.



92% rated the DNN Dual Compressor equal-to or better-than legacy compression.

100% of users rated the DNN Dual Compressor as having fewer artifacts compared to the legacy system[1].

1. Jensen, K., Xu, J., Liu, J., Kalluri, S., Schepker, H. & Waite, B. (2026) Optimizing Hearing Aid Sound Quality Through Deep Learning Control of Compression. Starkey white paper.

e-STAT 2.0

Faster, more accurate fits

Our proprietary fitting formula, e-STAT 2.0 works together with the advanced compressor architecture to deliver more gain for soft speech and improved audibility at higher frequencies. This synergy ensures that even the most subtle sounds are captured clearly, providing a richer listening experience. Combined with the optimized acoustic model, the system accurately predicts individual ear canal acoustics, enabling highly personalized fittings for each patient. This intelligent approach results in faster, more precise first-fit outcomes[2].

REM Target Match

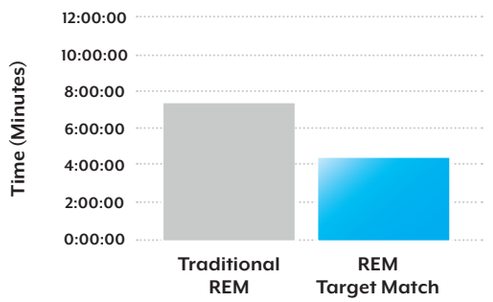
Reduce fitting time while improving outcomes

REM Target Match is an automatic real ear measurement (REM) tool that allows the hearing professional to quickly and automatically fit hearing aids using the gold standard in fitting protocol, while providing their clients with a superior outcome. Using the unique acoustics of the client's ears, REM Target Match automatically measures the Real Ear Unaided Gain (REUG) and the Real Ear Aided Response (REAR).

With these measurements, Pro Fit automatically adjusts the gain to match target, and measures the REAR again to ensure an optimal fitting. REM Target Match facilitates direct communication between most popular REM systems and can be used with any fitting formula, including e-STAT 2.0.

REM Target Match has been shown to significantly reduce fitting time compared to traditional REM measurements while maintaining Speech Intelligibility Index (SII) values compared to manual REM measurements[3].

Average Time for REM — Verifit 2



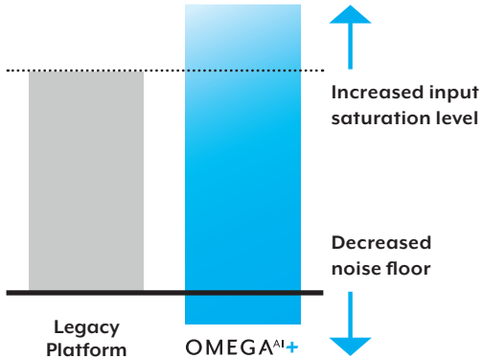
2. Micheyl, C., Harianawala, J., Schepker, H., Woodworth, L., Introwitz-Williams, M., et al. (2023). Pro Fit Acoustic Model Optimization: A Better, Faster Fit. Starkey. Acoustic Model Optimization Starkey white paper.

3. Rakita, L. (2021). REM Target Match: Effortless Fitting, Improved. Starkey white paper.

Dynamic Range

More range ensures more natural sound and better sounding music

Starkey hearing aids have a high input saturation level of up to 118 dB SPL, allowing for accurate reproduction of both soft and loud sounds without distortion. This extensive range, combined with a low circuit noise floor, ensures that even complex audio signals — such as music with high peak levels — are reproduced with exceptional clarity and naturalness. The result is a more immersive and life-like listening experience, particularly for listeners who value natural sound quality.



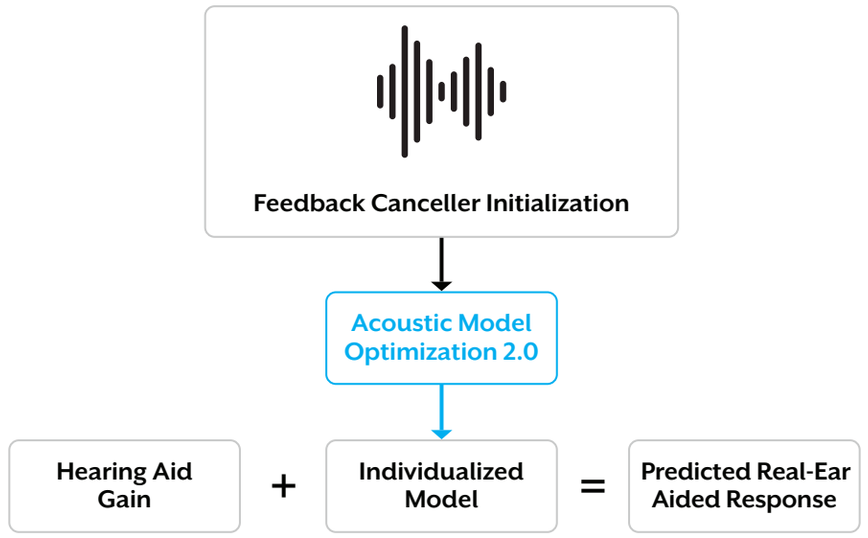


Acoustic Model Optimization 2.0

Getting closer to target

The Acoustic Model Optimization (AMO) 2.0 feature in the Pro Fit fitting software enhances the accuracy of hearing aid fittings by using electroacoustic data collected in-situ during the feedback canceller initialization process[4]. In addition to estimating the maximum stable gain, this process also informs the AMO 2.0 algorithm, which dynamically adjusts the acoustic model parameters based on real-ear acoustics. If the algorithm detects a mismatch between the predicted and actual acoustic coupling — such as a more open or occluded fit — it updates the model accordingly. These updates automatically recalculate the predicted Real-Ear Aided Responses (REARs), streamlining the fitting process without requiring immediate input from the hearing care professional.

While AMO 2.0 does not replace the gold standard probe tube real-ear measurements (REM), it significantly improves the efficiency and precision of initial gain settings. When enabled, AMO 2.0 can apply model updates immediately after the feedback canceller initialization process. Hearing care professionals are prompted to accept or reject automatic gain adjustments based on these updates. For initial fittings, accepting the automatic gain update is generally recommended to achieve more accurate target matches. However, after manual adjustments, the decision to accept further updates depends on the hearing care professional's fitting strategy. With AMO 2.0, hearing care professionals are empowered to deliver better personalized fittings for their patients.



4. Micheyl, C., Harianawala, J., Anfinson, J., Introwitz-Williams, M., Taylor, L., Smieja, D. and Woodworth, L. (2025) Best-fit accuracy with Starkey's Acoustic Model Optimization 2.0: Lab evaluations. Starkey white paper.

Adapt

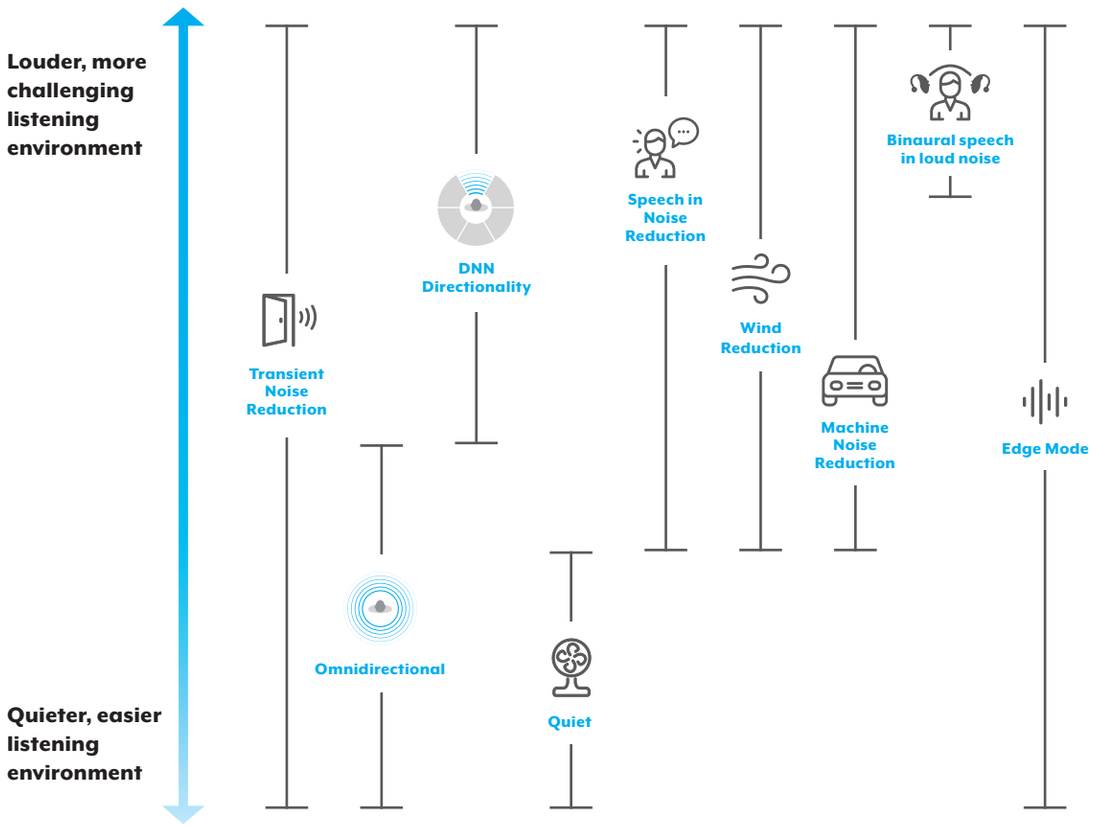
Starkey hearing aids adapt effortlessly in the background without needing input or effort from the listener.

Here, features like our Sound Manager, Feedback Canceller, and the world's first DNN-powered Intelligent Directionality continuously work, making millions of adjustments every hour to ensure the listener is hearing their best in any listening situation.

Feature Set

For every listening environment

Wherever the patient goes, whatever the acoustic input, Starkey's automatic systems have them covered. From a quiet, easier listening environment, all the way to a bustling challenging scene, there is a feature—oftentimes multiple—working to make better hearing a reality.



HOW IT HELPS

Starkey's research-driven sound features are clinically evaluated based on patient performance and preference, and available in different technology tiers so patients can choose the best option for their lifestyle.

WIRELESS OMEGA AI+

Tech Tiers | Channels | Bands

	24	20	16
Edge Mode			
Always-on, Automatic, User Control	●	○	○
Personalization	●	●	○
App Control	●	●	●
Speech Optimization			
INDUSTRY FIRST DNN Dual Compressor	● Maximum	● Mild	● Mild
Sound Manager			
DNN 360° — NOW IN CUSTOMS DNN Directionality	●	Adaptive Directionality & Motion-based Optimization	Adaptive Directionality
DNN 360° — NOW IN CUSTOMS DNN Spatial Awareness	●		
Quiet	Maximum expansion	Moderate expansion	Mild expansion
Machine Noise Reduction	Up to 22 dB of reduction	Up to 12 dB of reduction	Up to 7 dB of reduction
Speech in Noise Reduction	Up to 22 dB of reduction	Up to 10 dB of reduction	Up to 8 dB of reduction
Transient Noise Reduction	Up to 15 dB of reduction	Up to 9 dB of reduction	Up to 6 dB of reduction
Wind Reduction	Up to 35 dB of reduction	Up to 19 dB of reduction	Up to 10 dB of reduction
Additional Key Features			
Gen AI Smart Assistant & TeleHear AI	●	○	○
Translate	●	○	○
Push-to-talk	●	○	○
INDUSTRY-FIRST Hearing aids left behind	●	●	○
Transcribe	●	●	○
Multiflex Tinnitus Pro	●	●	○
Auracast™ assistant	●	●	●
Google™ Fast Pair	●	●	●
Smart Assistant & 2-Way Audio	●	●	●
Hearing Health & Activity Tracking	●	●	●
Fall Alert & Balance Assessment	●	●	●
Reminders & Self Check	●	●	●
Tap Control	●	●	●
TeleHear full remote fit	●	●	●
REM Target Match	●	●	●
Demo Stream	●	●	●

Features noted above in blue are available within My Starkey app.

*Available for products with directional microphones.

Low-Latency DNN by design

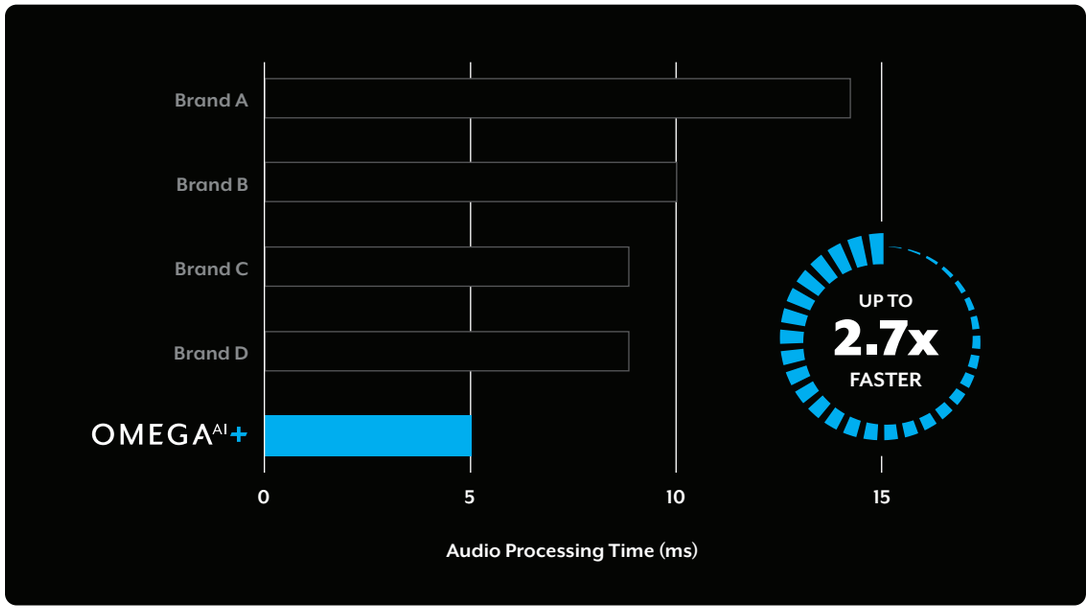
No trade-offs: designed for speed

Designing a purpose-built, performance-driven system architecture is critical to enabling advanced DNN capabilities on power constrained devices such as hearing aids. Delivering DNN-powered computation within such limitations requires a highly optimized architecture. Starkey addresses this challenge with a purpose-built Neural Processing Unit (NPU) that incorporates a dedicated DNN co-processor. This specialized architecture is engineered for high-speed, energy efficient DNN computation, allowing for parallel DNN processes without compromises around audio delay or battery life.

Audio processing delay is fundamentally a critical factor in hearing aid design, as even minimal latency can disrupt speech intelligibility and user comfort. Delays can misalign auditory cues, making sound feel unnatural and may be especially prominent in open-fit devices, with delays over 10 ms found to be objectionable most of the time[5].

A comparative evaluation was carried out to assess the audio processing delay across leading flagship hearing aids incorporating DNN-based speech-in-noise features. The results show that Omega AI+ achieves the lowest audio processing delay at approximately 5 ms, outperforming all evaluated flagship competitors with DNN-powered processing by up to 2.7 times versus the slowest product tested[6].

These findings highlight Omega AI+'s ability to deliver advanced DNN processing with minimal delay, designed to deliver a more natural listening experience.



5. Agnew, J., & Thornton, J. M. (2000). Just noticeable and objectionable group delays in digital hearing aids. Journal of the American Academy of Audiology, 11(6), 330–336.

6. Shahar, A., Heuermann, H. & Tan, C. (2026) Integrated Intelligence without Compromise. Starkey white paper.

ENHANCED

Sound Manager

The Sound Manager uses a combination of both machine learning and deep neural network processing techniques to identify the user's unique listening situation, and ensures a smooth, seamless transition between settings as the user moves throughout their day.

The Sound Manager operates automatically in the background and can be broken down into three categories:

1. **Sound Enhancement** — features that work to enhance speech and reduce background noise.
2. **Situational Sound Management** — made for listening ease, these features work to ensure bothersome everyday sounds are audible, yet comfortable.
3. **DNN 360** — ensuring the wearer can confidently move throughout their day with seamless transitions and adapting to the world around them.

1. Sound Enhancement

Speedy, seamless, and smart

DNN Dual Compressor
The DNN Dual Compression system is trained to intelligently improve audibility of soft speech while preserving sound quality. This setting controls the fast compressor to quickly and accurately identify speech that can easily be missed by the listener. Making the adjustments more aggressive will increase the speed of the fast compressor, which can help amplify soft consonant sounds. If a patient can 'hear' the compressor working, a lower setting can be used to provide a more seamless listening experience.

Binaural Speech in Loud Noise
Binaural Speech in Loud Noise** uses the Near Field Magnetic Induction (NFMI) radio to have a true ear-to-ear streaming comparison in loud environments. Made to work like the auditory cortex in noisy situations, each hearing aid compares the time and level of the input signal to determine if it is a signal of interest or not. If the signals between hearing aids are drastically different, the hearing aids will reject them. If the signals are similar, the hearing aid will amplify. Binaural Speech in Loud Noise works smoothly in the background to provide the best listening experience in loud and noisy situations.

Quiet
Using expansion, the Quiet system adapts to low-level noises that many hearing aid users—especially new users—find bothersome, like air conditioning, paper rattling, or feet shuffling on carpet. Adjust Quiet to a higher setting if a patient is more bothered by these or other low-level noises. Or, for long-time hearing aid wearers accustomed to everyday sounds, you can turn it off.

**Available with RIC RT and RIC 312.

Speech in Quiet
While much attention is often given to hearing in noisy environments, it is important to recognize that hearing aid users spend approximately 75% of their time in quieter settings[7] — defined as acoustic environments at or below 60 dB SPL. In these situations, traditional expansion helps by minimizing low-level background sounds that are not of interest, but the Sound Manager takes this a step further.

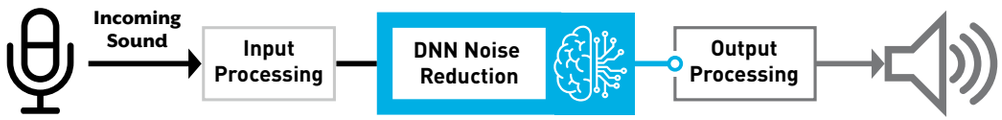
Leveraging advanced signal processing, soft signals that do not contribute to speech understanding are reduced. This means that soft speech is preserved, while low-level distractions — such as faint equipment hums — are attenuated. The system continuously analyzes the signal-to-noise ratio (SNR) in real time and applies targeted attenuation of approximately 6 dB to low-interest signals.

This advanced processing preserves soft speech while reducing distractions, resulting in more natural conversations in quiet environments and a more comfortable listening experience overall.

Speech in Noise
Understanding speech in noisy environments remain one of the most common challenges for hearing aid users. Starkey's advanced Speech in Noise system is designed to address this head-on by adapting on a channel-by-channel basis to ensure that only channels affected by noise are reduced—while maintaining the signals of interest.

At the heart of this system is Starkey's DNN-powered Speech Probability Predictor (SPP) which quickly and accurately distinguishes between speech of interest and competing speech noise, such as multi-talker babble. Comparing the previous technology, **the DNN SPP improves speech detection accuracy by 30%, enabling more precise sound management[8].**

Starkey's Sound Manager delivers a more natural and effortless listening experience. Whether in a crowded restaurant or a busy meeting, hearing aid users can focus on the conversation without being overwhelmed by surrounding noise.



7. Jorgensen, E., Xu, J., Chipara, O., Oleson, J., Galster, J., & Wu, Y. H. (2023). Auditory Environments and Hearing Aid Feature Activation Among Younger and Older Listeners in an Urban and Rural Area. Ear and hearing, 44(3), 603–618.

8. Betlehem, T., Parth Mishra, P., Xu, J.,Marquardt, D., McKinney, M. (2024). Leveraging DNN in Starkey Edge AI. Starkey white Paper.

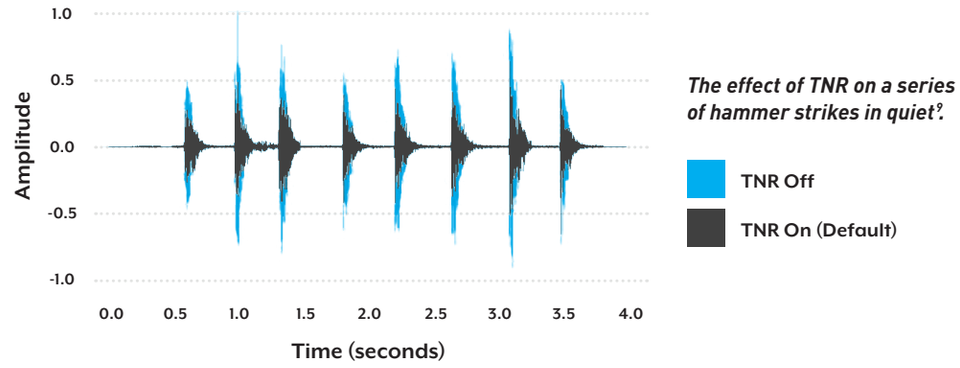
HOW IT HELPS

Starkey hearing aids help patients understand speech in all environments, even quiet speakers in the presence of noise.

2. Situational Sound Management

Comfort is always the constant

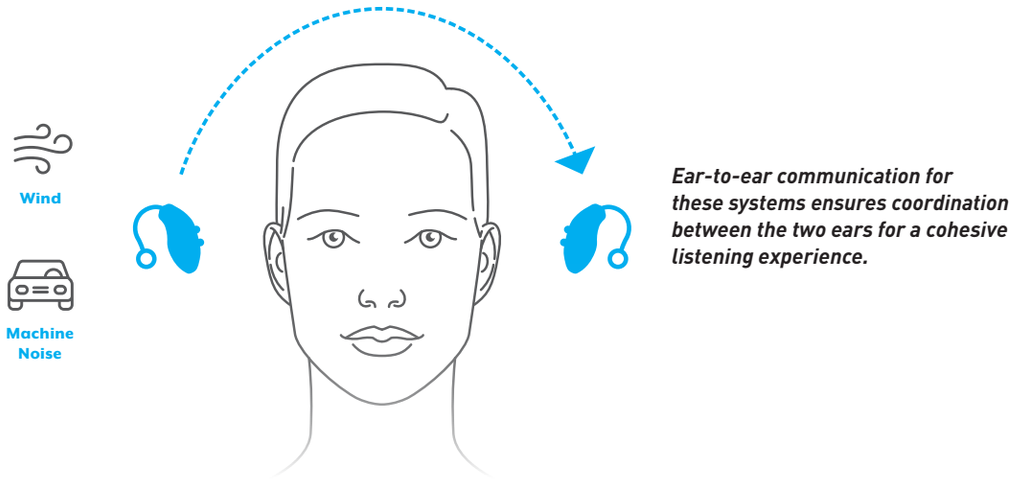
Transients
Made to combat sharp, sudden sounds like a door slamming or getting ice from a bin, transients act as a fast compressor to quickly adapt to these bothersome noises. Transient Noise Reduction (TNR) attenuates transients in a level-dependent manner with more attenuation applied in quieter environments, and less attenuation given in louder environments. This is important for user comfort, as transient noises are typically more bothersome in a comparatively quiet environment.



The effect of TNR on a series of hammer strikes in quiet[9].

Binaural Wind
Binaural wind noise management system quickly identifies and tackles continuous wind noise. Binaural wind noise management can reduce wind noise by up to 35 dB, preserving listening comfort in any challenging outdoor environment.

Binaural Machine
Machine noise can be classified as a steady-state, repetitive noise like road noise, vacuum cleaner, or a blow dryer. Binaural machine noise reduction reduces noise by up to 22 dB.



Ear-to-ear communication for these systems ensures coordination between the two ears for a cohesive listening experience.

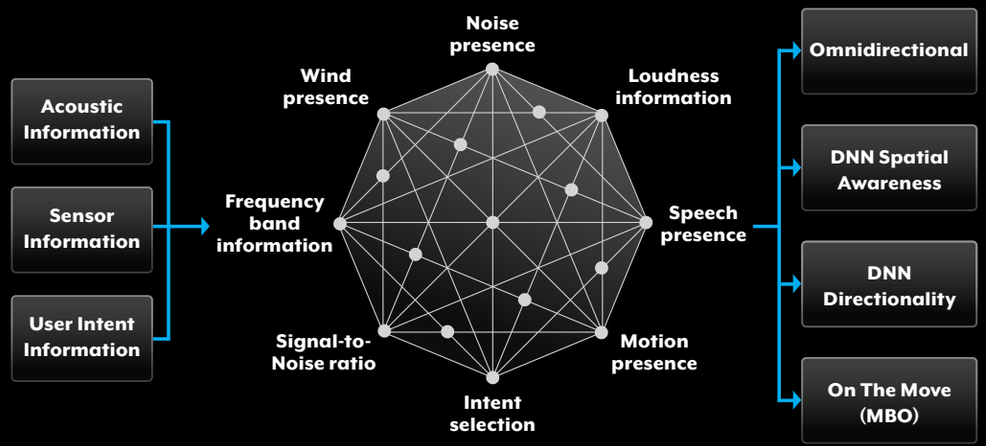
9. Walsh, K. (2019) Transient Noise Reduction. Starkey white paper.

NOW IN CUSTOMS

3. DNN 360

Hear better in any situation

Intelligent Directionality



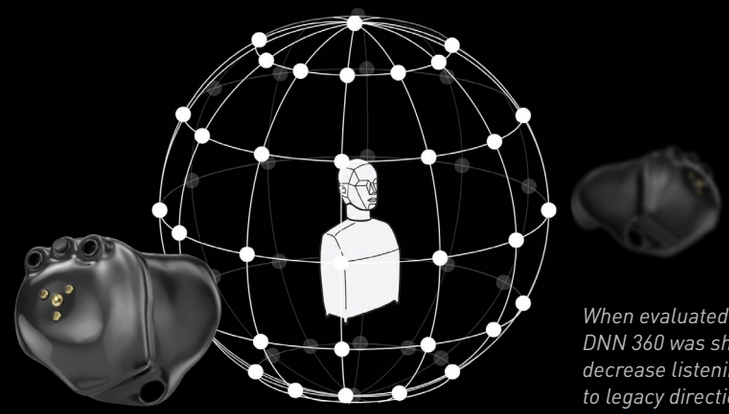
Starkey introduces the world's first DNN directionality feature, DNN 360, a groundbreaking advancement in hearing technology, now available in RIC and Custom dual mic Omega AI+ products. This intelligent system continuously scans the user's environment, analyzing a variety of acoustic inputs to better understand the listening situation. By leveraging multiple deep neural network processes, it creates the most appropriate directionality patterns that adapt in real time to simple, complex and dynamic soundscapes, helping to meet each hearing aid user's unique hearing needs.

As users move through different environments, the hearing aids automatically detect key characteristics such as speech, environmental noise, and motion, adjusting accordingly. When speech is not the focus — such as in noisy environments without active conversation — Spatial Awareness engages, helping to ensure awareness of the surroundings[10].

In more demanding listening environments where speech is present, the hearing aids automatically activate multi-channel DNN Directionality. This feature intelligently focuses on speech, delivering up to 28% better speech intelligibility compared to previous technology[10]. By prioritizing speech while managing background noise, the hearing aids help listeners stay engaged and confident during conversations even in noise or dynamically changing situations.

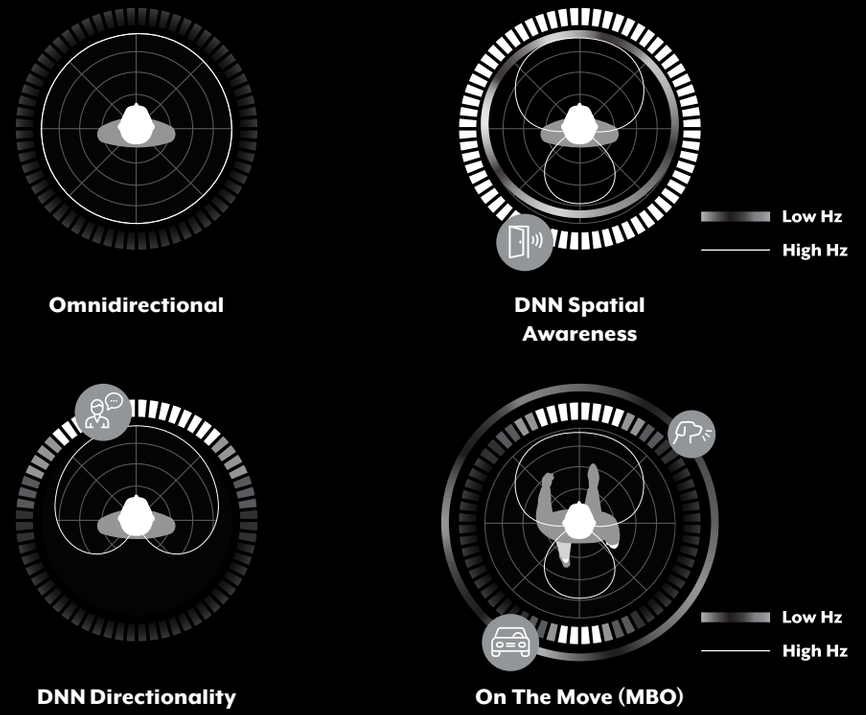
To further enhance the listening experience, Motion-based Optimization (MBO) uses built-in sensors in the hearing aids to detect when the listener is in motion. When motion is detected the hearing aid shifts into Spatial Awareness with added gain, improving environmental awareness for the listener. This seamless transition ensures listeners receive the right balance of clarity and awareness as they move through different listening situations throughout the day.

10. Marquardt, D., Xiao, J., Ganeshkumar, K., Xu, J. Taylor, L., and McKinney, M. (2025) Enhancing Directionality with Deep Neural Networks. Starkey white paper.



When evaluated in customs, DNN 360 was shown to significantly decrease listening effort compared to legacy directionality[11].

DNN 360 for customs was retrained based on various microphone and insertion positions a user may experience with custom dual-mic technology.



11. Kadetotad, D., Marquardt, D., Schepker, H., Liu, J. & Halvorsen, S. (2026). DNN 360 for dual microphone custom devices. Starkey white paper.

HOW IT HELPS

Starkey's DNN 360 system builds on multi-channel deep neural network processing to provide the appropriate directionality pattern for a variety of listening situations, now available in dual-mic customs.

ALL NEW

Feedback Management

Stopping the chirps before they happen

Starkey's all-new Feedback Management system is designed to intelligently apply feedback cancellation to maximize audibility while preserving sound quality. At its core, the system continuously models the acoustic feedback path between the receiver and microphone in real time.

When feedback is detected, an adaptive cancellation signal is rapidly generated and applied to prevent audible feedback before it can occur. Advanced feedback path tracking, analysis, and modeling work together to help maintain stable gain across a wide range of situations, including changes resulting from jaw movement, telephone use, insertion variations, and dynamic environmental conditions, such as putting on a hat.

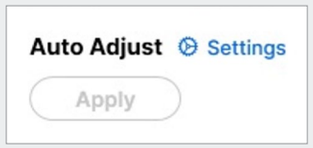
The new Feedback Management system coordinates feedback risk detection and mitigation with other processing strategies in the hearing aid. This new approach is designed to deliver more consistent feedback protection, improved fitting stability, and overall better patient perception across a broad range of listening environments.

In a clinically validated study, majority of participants reported less noticeable feedback, suggesting improvements with the latest product relative to the previous generation[12].

Good to know

For more complex fittings, Pro Fit alerts you to the feedback potential and provides one-click automatic solutions through Auto Adjust:

- **Auto Adjust** *(Now on by Default)* – Assists the professional in applying the best strategy to mitigate feedback. The Auto Adjust function may apply Mid-Frequency Management (MFM) adjustments (if not already applied), adjust gains, or both.



  - **Mid-Frequency Management (MFM)** – Applies feedback cancellation to the mid frequencies. MFM is automatically applied during initialization if the fitting requires it.
  - **Gain Adjustment** – Applies a non-limiting gain adjustment to the frequency channels at risk of developing feedback.

12. Natarajan, H., Heuermann, H., & Olson, M. (2026) Beyond Feedback Cancellation: A New Approach to Feedback Risk Management. Starkey white paper.

INDUSTRY EXCLUSIVE

Streaming

Streaming made simple

Audio Streaming
Audio streaming is automatically processed through a separate streaming configuration with full frequency response adjustment capabilities to ensure that every patient enjoys their streaming — whether it be from a phone, media device, or accessory.

Demonstrating any streaming adjustments can now be done **without** disconnecting the hearing aids from the Pro Fit software.

Simply select Start Demo Mode on the Audio Streaming screen and the patient can test the new streaming adjustments in real time to a connected phone or TV Streamer.

If needed, additional streaming adjustments can be made by the patient in real time through the My Starkey app. Those adjustments are automatically saved for future streaming sessions.

ENHANCED

Bimodal Streaming
Bimodal streaming is the wireless transmission of audio to both hearing aid and cochlear processors at the same time. This synchronizing of audio ensures a more natural, and balanced hearing experience for the patient.

Bimodal streaming via DualSync is now possible with select Starkey hearing aids and MED-EL cochlear processors and compatible Android and iOS devices.

To learn more about how to pair, scan the QR code.



Starkey | MED-EL

HOW IT HELPS

Bimodal streaming technology provides patients with seamless connectivity and synchronized streaming directly to the hearing aid and audio processor from a compatible smartphone or media device.

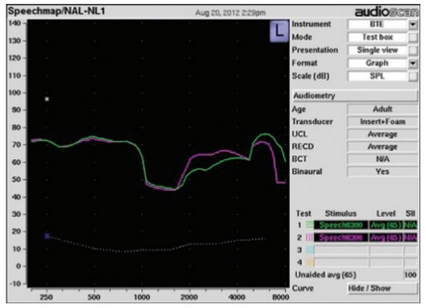
Frequency Lowering

A better way to increase audibility

Using a frequency translation method, frequency lowering reduces high frequency inputs when they are detected. No compression is used in the frequency range. Rather, the high-frequency input is taken and moved to a lower frequency range for increased audibility, therefore not compromising the extended frequency range that is so important for so many other signals.

Frequency lowering will automatically default On when a steeply sloping audiogram is programmed, but can always be manually turned On or Off depending on patient needs and preferences. Pro Fit allows the bandwidth and gain of the frequency-lowering algorithm to be manipulated based on patients' needs.

Frequency lowering can be verified using real ear measurements, as seen below.



Note: At the time of the first fitting with frequency lowering, the professional should focus on adjustments required to maximize benefit and ensure comfort. The patient's report of sound quality should be considered at the time of follow-up once a period of acclimatization has been provided to ensure that initial settings are not adjusted to levels that would be unhelpful.

Follow-up Adjustment Guide

	Patient Report	Adjustment	Considerations
Own Voice	Own voice sounds like static or echo	Decrease Gain Decrease Bandwidth	Adjust Gain first. If reports persist, adjust Bandwith.
Intelligibility	/s/ sounds too lispy	Decrease Gain	
	/s/ sounds too unnatural	Decrease Gain	
	Difficulty detecting /s/ sounds or identifying plural sounds	Increase Gain Increase Bandwidth	Adjust Gain first. If report persists, adjust Bandwidth.
	Other voices echo	Decrease Bandwidth Decrease Gain	Adjust Bandwidth first. If report persists, adjust Gain.
Sound Quality	Echo or lisp artifacts	Decrease Bandwidth	Alternatively decrease Bandwidth and Gain until report is resolved.
	Processing too noticeable	Decrease Gain	

Multiflex Tinnitus Pro

Versatility helps take the edge off

Multiflex Tinnitus Pro[13,14] caters to various management strategies by offering a wide variety of masking stimuli with an even greater opportunity for the professional to tailor the sound to the patient's needs, working tirelessly in the background when activated to help patients reduce their perception of tinnitus.*

Within Pro Fit, the Tinnitus screen provides 16 channels to adjust gain, tilt, and modulation as well as displaying uncomfortable loudness level (UCL) values and safety notifications for stimulus level above 80 dBA to ensure that the masker does not reach uncomfortable or unsafe listening levels.

Eight ready-to-fit masking stimuli are available to choose from, empowering hearing professionals with more options to help their patients.

Additionally, patients can utilize the My Starkey app to start and stop tinnitus streaming, adjust volume, and modulation. Patients can also stream other types of relaxing sounds directly to their hearing aids or use the Starkey Relax app.

*Individual results may vary

Full Tinnitus Options

Stimuli	Description
Audiogram-shaped	Automatic shaping of the tinnitus stimulus based on the hearing loss.
White Noise	Comprised of equal energy distribution across frequencies.
Custom (Multiflex Tinnitus Pro version only)	Personalized shaping of the tinnitus stimulus based on in-situ Minimum Detection Level (MDL) and Minimum Masking Level (MML).
Pink	Comprised of less high frequency energy than white noise, this soothing sound is reminiscent of wind and light rain.
Red	Comprised of less high frequency energy than pink noise, this deep pitched sound is reminiscent of rumbling thunder and waterfall.
Blue	Comprised of less low frequency energy than white noise, this high-pitched sound is reminiscent of steam escaping from a pipe or the sound of a computer fan.
Purple	Comprised of less low frequency energy than blue noise, this higher pitched sound is reminiscent of a sizzle or a hiss.
Ocean	This relaxing sound mimics the sound of the ocean, providing a pleasant alternative to other available sound options.

13. Reinhart, P. and Micheyl, C. (2020) Introducing Multiflex Tinnitus Pro. Starkey white paper.

14. Reinhart, P., Griffin, K. and Micheyl, C. (2020) Multiflex Tinnitus Pro: New Tools to Help Hearing Professionals Fit Tinnitus Maskers. Starkey white paper.

Control

Needs can vary, even from two patients with identical audiograms in the same environment. Algorithms cannot predict a listener's intent.

Starkey hearing aids provide additional control and flexibility to fill in this gap, giving the wearer tools and features they can further fine-tune to suit their unique listening needs.



INDUSTRY FIRST

Edge Mode

Puts intent in the hands of the wearer

The industry's first-of-its-kind intelligent, on-demand noise management and comfort feature, Edge Mode, was created to empower the user's desired listening intent for whatever situation they may be in[15]. This industry-first feature provides the listener with alternative, enhanced hearing aid settings in situations where they decide they could use more help.

Edge Mode adjusts hearing aid settings beyond what is programmable from their everyday settings to give the hearing aid user extra assistance when they need it most. Edge Mode has been shown to decrease listening effort, perceived loudness, and improve listening comfort when compared to the default settings. Edge Mode may also provide larger benefits for patients with QuickSIN scores > 7 dB (moderate to severe SNR loss) compared to those with QuickSIN scores < 7 dB (normal to mild SNR loss)[16, 17].

Edge Mode incorporates an updated DNN-powered noise reduction model, demonstrating better signal-to-noise performance on average, compared to other flagship brands with DNN processing evaluated[18].

How to use

There are a few ways for patients to access the Edge Mode feature.

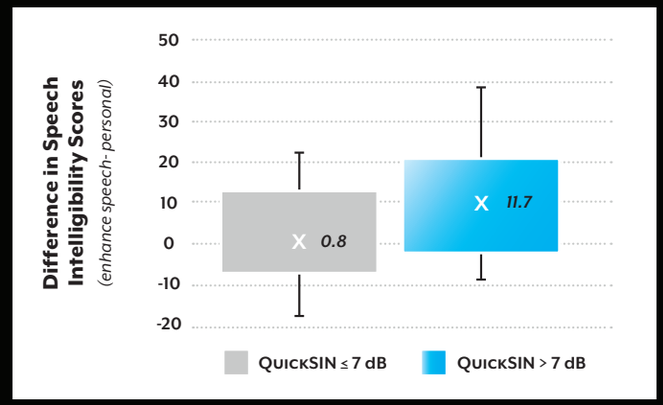
1. **User Control**
   Patients can access the Edge Mode feature if set up and assigned to a user control, via the Short Press, Double Tap, or Push Button where available.

2. **Favorite Button**
   When paired with an accessory, the Edge Mode feature can be assigned to the Favorite Button for quick and easy access.

3. **Mobile App**
   Edge Mode can be accessed via the mobile app for further personalization.

Clinical Insights

In a clinical study, participants with unaided QuickSIN scores > 7 dB (moderate to severe SNR loss) found significantly more benefit using Edge Mode compared to participants with unaided QuickSIN scores <7 dB (normal to mild SNR loss)[15].



Benefits in noise

Enjoy greater comfort

- Reduce Noise has been shown to significantly improve listening comfort compared to Personal program alone[16].

Listen with less effort

- Enhance Speech significantly lowers listening effort ratings vs. Best Sound or Personal program[16].

Optimized for Noise

- Reduce Noise offers a significant SNR improvement over the Personal program[16].
- Best Sound offers 2 dB SNR improvement vs. Personal program[16].

HOW IT HELPS

Edge Mode gives patients instant control of their hearing. Activate anytime – in a particularly difficult situation or use all day long — without compromises to battery life. Enjoy clear, optimized sound when it matters most.

15. Fabry, D. & Burns, T. (2020) Edge Mode: Unmasking Benefits for Hearing Aid Users in Difficult Listening Environments. Starkey white paper.

16. Halvorsen, S., Liu, J., Xu, J. & Marquardt, D. (2026). Edge Mode Evolution: Clinical Evidence for DNN-Enhanced Listening Comfort and User Preference. Starkey white paper.

17. Killion, M. C., Niquette, P. A., Gudmundsen, G. I., Revit, L. J., & Banerjee, S. (2004). Development of a quick speech-in-noise test for measuring signal-to-noise ratio loss in normal-hearing and hearing-impaired listeners. The Journal of the Acoustical Society of America, 116(4), 2395–2405. https://doi.org/10.1121/1.1784440

18. Taylor, L. & Marquardt, M. (2026) Edge Mode performance that stands out in noise. Starkey white paper.

My Starkey App

Flexibility and control all day, everyday

The My Starkey app empowers patients with on-the-go hearing control—including Apple Watch compatibility — and has a comprehensive suite of features to help them hear better and live better.

INDUSTRY EXCLUSIVE FEATURES

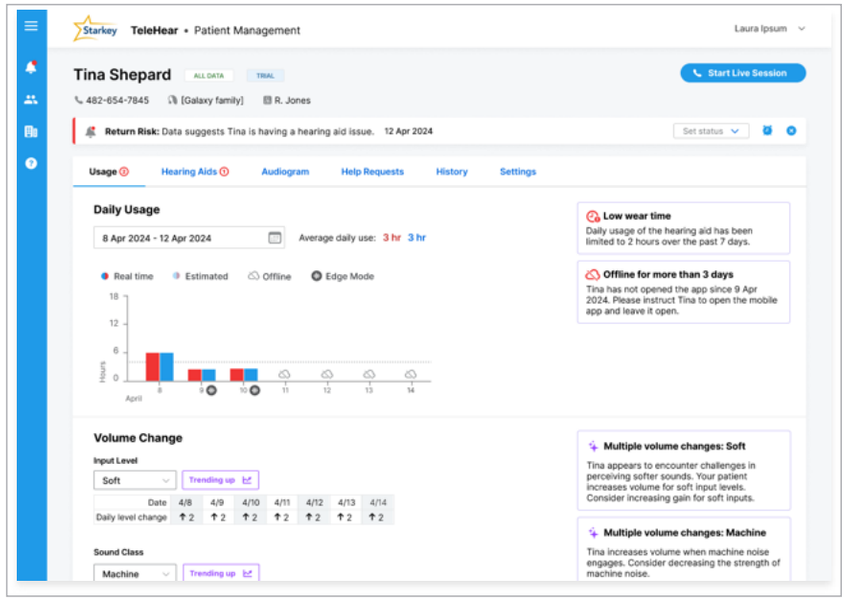
Features	Enjoy additional features with the My Starkey app that help your patients hear better and live better lives.
ENHANCED **Find My Hearing Aids**	**Now with alerts** — Find My Hearing Aids shows the last known connection location on a map and lets you know if you've left your hearing aids behind.
TeleHear	Access remote care through live or asynchronous adjustment requests.
TeleHear AI	Generative AI-powered user assistant for 24/7 adjustment help.
Balance Builder	Balance Builder offers guided balance exercises and uses onboard sensors to track movements and generate trend.
Respiratory Rate	Respiratory Rate monitoring automatically measures and displays the user's respiration rate in breaths per minute (BPM) when the user is at rest.
Gen AI Smart Assistant	Generative AI-powered Smart Assistant with enhanced context awareness and more natural responses.
Self Check	Runs a self-diagnostic on the microphone, processor, and receiver via Pro Fit or the mobile app, with a report and troubleshooting steps if needed.
Fall Alert	Once enabled, Fall Alert uses the sensors onboard the hearing aid to automatically detect a fall and alert emergency contacts via text message.
Balance Assessment	Balance Assessment uses the sensors in the hearing aid to record accurate recordings and scoring of standard balance assessment examinations.
Smart Assistant	Enables hands-free voice control to troubleshoot hearing aids, adjust volume or programs, find a phone and answer simple questions about the weather.
Reminders	Patients can set reminders that alert them on their phone and through their hearing aids, including reminders for insertion and routine maintenance.
Translate	Easily translate over 70 languages through the mobile app with audible translation through the hearing aids.
Transcribe	Real-time transcription through the mobile app that can be saved or sent through another mobile application.

ALL NEW

TeleHear Insights

Smarter support, fewer returns

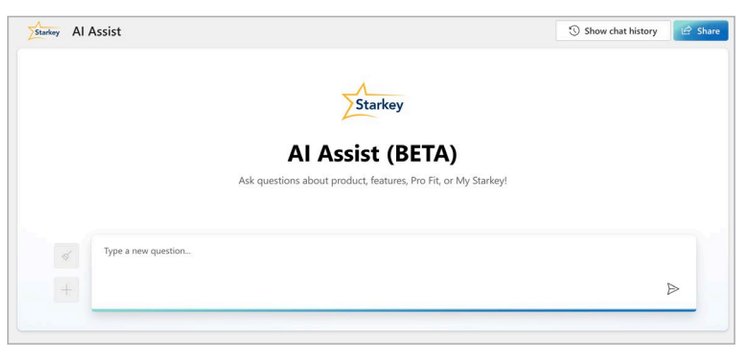
Patient satisfaction drives your success and lower return rates. Our new AI-powered algorithm helps predict potential issues early, enabling proactive intervention that improves onboarding satisfaction and reduces return rates. Available exclusively to Starkey Network providers.



AI Assist

Smarter support starts here

Ask questions about product, features, Pro Fit, or My Starkey with our all-new, industry-only Gen AI assistant. Access it through Pro Fit for 24/7 support for any product, feature, or adjustment questions.



WIRELESS

- Waterproof up to 1 m
- Wireless
- Rechargeable
- LED Status Indicator Light

OMEGA AI+

CROS COMPATIBLE



mRIC R

RIC RT

RIC 312



CIC



ITC R



ITE R

AURACAST



StarLink **Premium Charger 3.0**
mRIC R/RIC RT



StarLink **Premium Custom Charger 2.0**
ITC/ITE R



StarLink **Charger 3.0*****
mRIC R/RIC RT



StarLink **Custom Charger 2.0*****
ITC/ITE R



My Starkey



Hear Share

Download on the App Store

GET IT ON Google Play



StarLink **Edge** LE Adapter



AURACAST
StarLink **Edge** TV Streamer



StarLink **Edge** Remote Microphone



StarLink **Edge** Table Microphone



StarLink Remote Control 2.0

NON-WIRELESS

- Waterproof up to 1 m
- Rechargeable

OMEGA AI+



IIC NW



CIC NW



CIC R NW



T² Remote

Download on the App Store

GET IT ON Google Play



StarLink **Premium Custom Charger 2.0**
CIC R NW



StarLink **Custom Charger 2.0*****
CIC R NW

StarkeyPro.com

Read more on the latest research on Starkey's products here:
Starkeypro.com/continue-learning/research-and-publications

***Default selection with rechargeable hearing aid order.

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