Made for life

Helping people hear better so they can live better.
It’s been proven – hearing health is directly connected to overall health and well-being. People who are able to hear and engage with the world around them live better and healthier lives.

This pursuit — helping people hear better so they can live better — has led to our biggest technology breakthrough to date.

Introducing Muse with Starkey’s all new Synergy® platform. Synergy is the only platform to feature quad core twin compressor technology, and the first to provide supreme precision for audibility and the ultimate optimization for listening enjoyment.
Since day one, Starkey Hearing Technologies has centered everything we do around the patient. And because clarity and comfort in noise are what they want most, we focused on audibility and speech understanding first.

Our hearing technologies have consistently enabled your patients to hear better in difficult environments — and live a better life.

But today’s active patients demand more. This next generation wants to hear all the subtleties of life, even in complex listening environments: the inflection in the voice of a spouse or the nuances in the notes of a favorite song. Muse helps patients whether it’s one-on-one or in the most crowded of places.

Experiencing life is much more than speech alone. Each day your patients are exposed to rich lifescapes that include a variety of sounds. Hearing aids have simply not been designed to handle the acoustic demands of these complex lifescapes — until now.

With Muse powered by our Synergy platform, we’re excited to say we’ve delivered again. Only Synergy provides the power, flexibility and integration to process all sounds uniquely. It’s hearing technology meant for life.

“Immediate difference in clarity.”

“Patients have experienced a significant improvement in sound quality when comparing hearing aids, even to recent technology.”

“Patients have noticed improvement when listening to music and improvement for clarity of softer voices.”

“My patients are so impressed with the sound quality in music. Overall the response has been wonderful, and I am excited for what is to come.”

“The quality and performance is really beyond anything I’ve ever seen.”

Source: Muse Product Beta Trials
Until now, the very best hearing platforms only used one compression algorithm to process all inputs. Focused on speech audibility primarily, some of these platforms made incredible advances. But the human voice and all other sounds are very different.

Muse is the first hearing aid to offer twin compressors, designed to seamlessly transition between the demands of speech and the far more dynamic characteristics of each patient’s life.

Patients know Starkey Sound™ when they hear it.

Pristine audio. Natural sound.
Best hearing in noise. Feedback free.

To achieve twin compression, we needed to build a new platform. Our new Synergy platform advances speech audibility and listening enjoyment like never before. Its revolutionary quad core twin compressor technology enables enhancements including:

- Five times the processing power of previous platforms to seamlessly and automatically handle complex listening situations
- Expanded dynamic range and low distortion processing with peak input dynamic range of 110dB for fuller, richer sound
- Expanded channel processing with up to 24 channel adjustment to provide the most precise and personalized hearing experience
- More efficient data management with higher integration to ensure the best power management
- Small electronic packaging allows for our smallest hearing aids yet
Made to process all sounds uniquely

Synergy is the first hearing aid platform to use twin compressor technology — simultaneously processing sounds to deliver better results.

Synergy and our new ultra high-definition operating system, Acuity™ OS, enable speech and sounds like music to be processed uniquely for the first time ever. Now, not only can a hearing aid positively impact audibility and comfort, it can also enhance listening enjoyment.

By achieving a higher sampling rate, Synergy and Acuity OS extend the bandwidth up to 10 kHz, enabling music to sound fuller and richer than ever before. And with a new, enhanced channel structure, more personalization can be achieved across the bandwidth, with up to 24 adjustable channels.

Made with sound clarity and quality top of mind

To engineer Acuity OS, we started at the Starkey Hearing Research Center in Berkeley, California. Our scientists and technicians worked closely with musicians and current wearers, targeting the best way to run the complex algorithms needed to process today’s sounds efficiently.

Synergy is our innovative new platform.

Acuity is our new, ultra high-definition OS.

Muse is our latest line of hearing aids.

“Wow!” is what all your patients will say.
900SYNC IS OUR PATIENT-PREFERRED WIRELESS TECHNOLOGY

Made for an ultra high-definition audio experience

Today’s challenging wireless landscape requires a powerful solution. 900sync™ Technology, our patient-preferred wireless system, is that solution. The combination of Synergy and 900sync delivers an ultra high-definition audio experience, providing patients with the most natural and coordinated hearing experience.

Made to aid unilateral loss
Patients with single-sided hearing loss can also enjoy Starkey Sound. Our wireless CROS hearing aids use Acuity OS and 900sync to bring audibility and speech understanding to those who only struggle with hearing from one ear. Also available in BiCROS for individuals who have hearing loss in both ears. 900sync wireless technology provides ultra high-definition audio with quality, clarity and consistency of sound, whether in a car, on a call or during a conversation.

Made to improve phone understanding
900sync streams the caller’s voice to both ears with our new ear-to-ear phone streaming, making understanding on the phone easier than ever.

900sync Technology is at the heart of Muse, and is designed so patients get a quality, natural sounding hearing experience all accomplished with no intermediary device.

- Boasts a better than 98 percent link availability
- Is virtually drop-free within normal user range
- Nearly doubles streaming range over our previous generation wireless
- Provides consistent performance in even the most challenging environments
- Provides enhanced radio sensitivity for increased streaming range

Wireless CROS and ear-to-ear phone streaming are now possible, thanks to 900sync’s new ultra high-definition audio experience.
Muse hearing aids provide your patients with the most natural hearing experience in the most complex environments. With Acuity OS, Muse hearing aids binaurally process, classify and adapt sounds in parallel, so speech sounds crisp and distinctive, ambient noise sounds natural and music sounds rich and immersive.

Acuity Binaural Imaging — the new standard in ear-to-ear communication.
- New ultra high-definition audio brings a more natural ear-to-ear experience
- Collaborative decision making allows speech audibility to be preserved while simultaneously maintain comfort
- Results in demonstrated, real-world benefits

Acuity Lifescape Analyzer — our most rigorously tested environmental detection system ever, designed for today’s complex listening environments.
- Seven automated sound classes: Music, speech, speech in noise, machine noise, wind, noise and quiet
- Handles multiple environments simultaneously

Muse provides the most natural hearing experience in the most complex environments.
Sharing stories, reminiscing over fond memories and laughing with friends are key ingredients for an engaging, more fulfilling life. Muse hearing aids with Acuity OS are designed to ensure patients never miss a funny joke, the first words of a grandchild or the banter at a dinner table with friends.

Made for conversations

Muse helps you laugh, share and live a more fulfilling life.

Acuity Speech Optimization — our proprietary multi-segment compression architecture combines speech audibility and overall comfort to achieve Starkey Sound.

- Extended bandwidth achieved by higher sampling rate to take full advantage of high-frequency cues
- Enhanced by more frequency adjustability across the bandwidth with expanded channel structure

Acuity Voice — provides optimal audibility for speech.

- Runs in parallel with Acuity Lifescape Analyzer
- Two-part algorithm using dynamic voice identification, coupled with spectral noise control that calculates appropriate gain on a per-channel basis
- Provides up to 20dB of noise reduction
- Instantly applies variable noise adaptation in all channels, even between pauses of speech

Acuity Directionality — designed to improve speech detection in difficult listening situations.

- Intelligent and personalized, it’s a continuously adaptive, multi-channel system that uses independent null steering to preserve speech
- Uses Speech ID to prioritize conversations with up to 6dB of speech enhancement, even when it occurs behind the patient
- Is binaural and ensures optimal performance and switching
- Delivers consistent, high-fidelity sound to enhance conversation participation
Untreated hearing loss is a major health and quality of life issue.

Muse hearing aids are made to help.

**DID YOU KNOW?**

**Older adults** with impaired hearing may have a **shorter lifespan** than their peers without hearing problems.1

*70 years and older

There is a significant association between **high blood pressure** and untreated **hearing loss**.2

**Adults** with a hearing loss experience a 30-40% faster decline in cognitive abilities compared to peers without hearing loss.3

*75 years and older

**Over 360 million** of the world’s population have disabling hearing loss.4

*50 years and older

**Adults** with untreated hearing loss were more likely to report depression, anxiety and paranoia than peers who wore hearing aids.5

*18- to 69-year olds

**Wearing hearing aids reduces the risk of cognitive decline associated with hearing loss.**6

**People with untreated hearing loss** are **3x more likely** to have a history of falling.8

**People with low-frequency hearing loss** are considered at risk for cardiovascular events.10

**Adults with untreated hearing loss** are more likely to **develop dementia**.7

**Adults with untreated hearing loss** can expect to **suffer losses in compensation due to underemployment**.9

**Adults** with untreated hearing loss are more likely to develop dementia.7

**Severe loss**

**Moderate loss**

**Mild loss**

2x 3x 5x

**Times more likely**

10% 20% 30% 40%

**Adults** with untreated hearing loss have higher unemployment rates than their normal-hearing peers.9

People with untreated hearing loss are 2x to 3x more likely to have a history of falling.8

**People with untreated hearing loss**

are **3x more likely** to have a history of falling.8

**Wearing hearing aids reduces the risk of cognitive decline associated with hearing loss.**11
Tastes in music may be as unique as each patient, but the power music holds over people is universally understood. Thanks to Muse with Acuity OS’s twin compressor technology, your patients can enjoy their favorite music once again.

Natural music listening required development of an entirely new hearing aid prescription. Before Muse, all hearing aids mistakenly treated music as simple offset from speech. Or worse, linear gain was prescribed, robbing patients of low-level sounds that provide detail and emotion to music, while over amplifying the highest level sounds.

Made to beat all others

In order to set rigorous requirements for high-quality music reproduction, a panel of music aficionados was assembled to participate in the validation of Muse. These listeners have spent their lives as conductors, producers, vocalists and musicians, only to find their enjoyment of the auditory world shrouded by hearing loss.

Muse’s music prescription is the first to be designed for music listening with no reliance on existing prescriptions. The quietest music is amplified to audibility and, as music levels increase past threshold, less gain is applied allowing the hearing aid to be a transparent system that mimics the unaided ear.

Just as subjective as musical taste, is how patients listen to music. We addressed that by providing either a user accessible dedicated music memory or automatic adaptation.

Inspire® fitting software includes new music adjustment controls so you can quickly and easily match the subjective tastes of your patients.

- Adjustments will be based on patient feedback regarding music sound quality
- Controls are designed for patient dialog to address subjective music listening reports
- Equalizer-type graphics, and bass, mid and treble frequency shaping controls enable Quick Fit

The result is listening enjoyment the way your patients want to listen to music—via their control or automatically.
Of course, Muse comes with Starkey’s best-in-class features — resulting in hearing aids your patients will want to wear every day.

- **WhistleFree Feedback Cancellation** — the only proactive feedback management system that anticipates feedback and can be personalized to product and patient.
- **Speech Shift** — enhances real-time audibility by identifying high-frequency speech cues and replicating them in lower frequencies.
- **Surface™ Nanoshield** — our next-generation moisture and wax repellent ensures reliability and durability.

**Multiflex Tinnitus Technology** — our patent-pending tinnitus solution is designed with personalization and flexibility in mind and is now standard in all styles and technology levels.
MUSE IS AVAILABLE AS A FULL PRODUCT LINE

Made for anyone

Muse’s new patient-focused product designs will ensure acceptance, comfort and control.

- Next generation of our popular micro RIC 312 with a telecoil
- Smallest, slimmest mini BTE 312
- Full custom lineup from the custom product experts
- SoundLens® Synergy — the industry’s first and best IIC, now with wireless connectivity
- Wireless CROS systems

Muse comes in styles and new designs that are easier than ever to fit.

SurfLink

No Starkey wireless hearing aid would be complete without our popular SurfLink® accessories.

- Featuring new high fidelity sound when paired with Muse hearing aids and two times the current bandwidth, new SurfLink Media 2 lets patients listen to any media device directly to their hearing aids with no intermediary device.
- And patients love SurfLink Mobile 2 — our compact cell phone transmitter, assistive listening device, media streamer and hearing aid remote all rolled into one.
- With the SurfLink Remote, patients can control memory and volume adjustments, mute their hearing instruments and control streaming mode when used with SurfLink Media.
- The all-new SurfLink Remote Microphone is a discreet, lightweight microphone worn by a conversation partner to aid patients in one-on-one conversations in difficult listening environments.

Available in CROS
**Made for what patients want**

The expanded capabilities of our new Synergy platform ensure Muse hearing aids can easily keep up with the demanding lives — and environments — of today’s patients to deliver what they truly want:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A more natural listening experience</td>
<td>The new standard in ear-to-ear communication, Acuity Binaural Imaging features new ultra high-definition audio to bring a more natural ear-to-ear experience to patients. Thanks to collaborative decision making, speech audibility can be preserved while simultaneously maintaining loudness comfort.</td>
</tr>
<tr>
<td>Listening enjoyment — once again</td>
<td>Today’s patients want more than just the ability to hear in functional settings — they want to enjoy listening in every setting. Acuity Lifescape Analyzer makes it possible. Its seven sound classes handle multiple environments simultaneously and deliver our most sophisticated and accurate classification and adaptation system ever.</td>
</tr>
<tr>
<td>Clear audibility for speech in all situations</td>
<td>Acuity Voice runs in parallel with Acuity Lifescape Analyzer to provide optimal audibility for speech. Its two-part algorithm uses dynamic voice identification, coupled with a spectral noise control that calculates appropriate gain on a per channel basis, for unprecedented sound quality, ease of listening, and intelligibility of speech in noise.</td>
</tr>
<tr>
<td>Accurate directional detection</td>
<td>Intelligent and personalized, Acuity Directionality continually adapts in all channels, prioritizing conversations with up to 6dB of speech enhancement, so patients can better hear and participate in conversations from all directions.</td>
</tr>
<tr>
<td>Music the way it was meant to be heard</td>
<td>With its revolutionary new platform and OS, Muse is designed to enhance the way patients listen to music. Developed at our research center in Berkeley, California, its unique prescription focuses on music enjoyment, makes soft music sounds audible, can be fit easily to accommodate each patient’s subjective hearing tastes, and adapts and improves music listening sound quality automatically.</td>
</tr>
<tr>
<td>Effortless connections with streaming media and accessories</td>
<td>SurfLink Mobile 2, SurfLink Media 2 and SurfLink Remote offer patients carefree connectivity and control with no intermediary or worn device. SurfLink Mobile 2 has doubled battery life over our first generation SurfLink Mobile.</td>
</tr>
<tr>
<td>Style and colors they’re happy to wear</td>
<td>New styles, including our smallest, slimmest mini BTE 312; the next generation of our popular micro RIC 312; our first wireless IIC; a full custom family; new wireless CROS; and integrated tinnitus solutions are optimized for reliability, dexterity, comfort and acceptance.</td>
</tr>
</tbody>
</table>
Our Founder and CEO, Bill Austin, has always held a strong belief that the gift of better hearing results in a fuller and better life.

We prove our dedication to this philosophy daily, through our support of Starkey Hearing Foundation.

The gift of hearing opens up new worlds of opportunity. It connects individuals to life and helps them realize they can accomplish more than they ever thought possible. Starkey Hearing Foundation uses hearing as a vehicle to change lives around the world.

Hear better. Live better.*

Starkey Hearing Foundation has provided more than 1 million hearing aids to people in need worldwide.
We know hearing technology plays a critical role in the satisfaction of your patients’ hearing experiences. That’s why we focus our work to provide satisfaction in all areas of life, even the subtle ones.

Muse hearing aids with our new Synergy platform are made so people with hearing loss won’t have to miss a single sound that brings them joy. They are made knowing people who hear better live better.

At Starkey Hearing Technologies, we believe that to hear better is to live better.

Guide your patients on their journey to better health by starting with auditory wellness and ending with a richer, more complete life.

Simply put, Muse is made for life.
Our product lineup was designed to enhance any environment your patients frequent.

## Feature overview

<table>
<thead>
<tr>
<th>Feature</th>
<th>Premium</th>
<th>Advanced</th>
<th>Select</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platform: Synergy</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Sound Imaging: Channels</td>
<td>24</td>
<td>20</td>
<td>16</td>
</tr>
<tr>
<td>Bandwidth: Extended 10 kHz</td>
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<tr>
<td>Operating System: Acuity OS</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>900 MHz Wireless Technology: 100sync</td>
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<td>●</td>
<td>●</td>
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<tr>
<td>Wireless Streaming: Spatial Streaming</td>
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<tr>
<td>Speech Compression: Acuity Speech Optimization</td>
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<tr>
<td>Music Optimization: Music Enhancement</td>
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<tr>
<td>Ear-to-Ear Technology: Acuity Binaural Imaging</td>
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<tr>
<td>Environment Manager: Acuity Lifescape Analyzer</td>
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<tr>
<td>Directional Processing: Acuity Directionality</td>
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<tr>
<td>Noise Control: Acuity Voice</td>
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<tr>
<td>Feedback Management: WhistleFree Feedback Cancellation</td>
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<tr>
<td>Frequency Lowering: Speech Shift</td>
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<td>●</td>
<td>●</td>
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<tr>
<td>Tinnitus Technology: Multiflex Tinnitus Technology</td>
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</table>

## Technology levels

- **Premium**
- **Advanced**
- **Select**


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