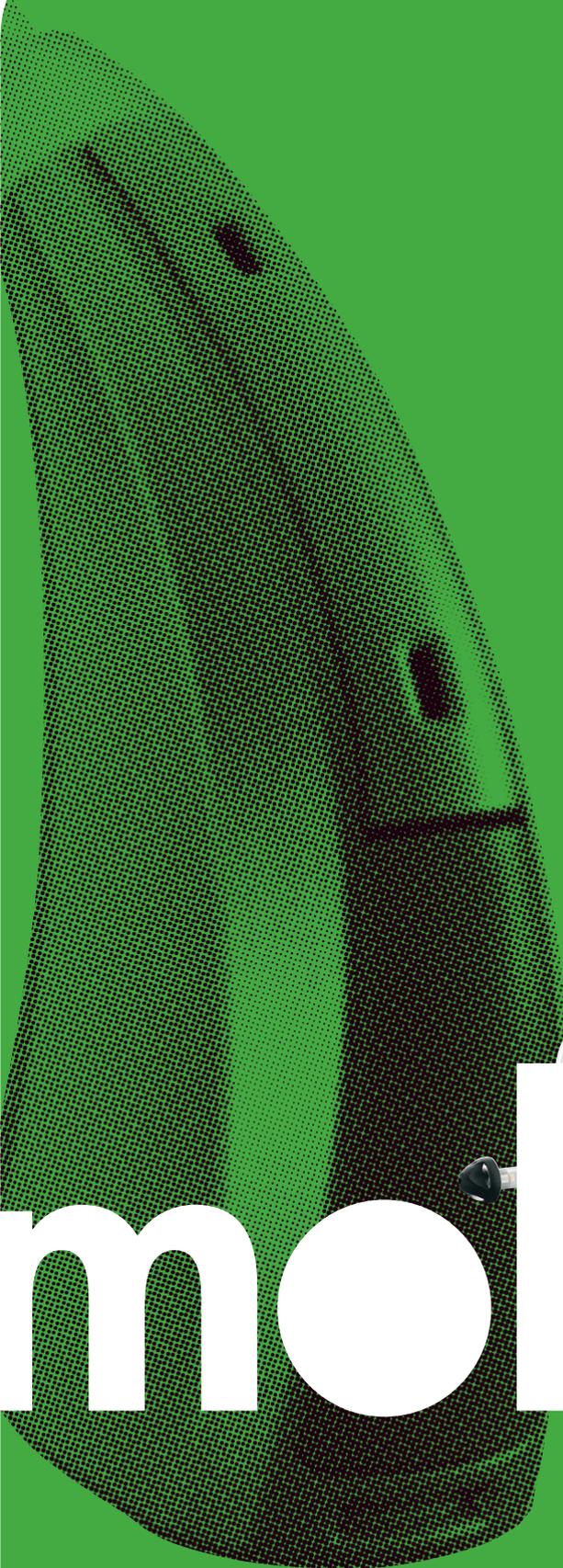


microtech™  
the easy choice™



mobility™

*wireless that delivers* **MORE**

# mobility™

*it's* **HERE**

**The votes are in.** MicroTech's Mobility hearing aids have been an overwhelming success in the market. Clinicians appreciate the speed and ease of true wireless programming. Patients are thrilled to hear their friends, family, television and music like they haven't in years.

Now we're proud to announce enhancements designed to make Mobility an even easier choice for you and your patients – including the new **SpeechTrax<sup>2</sup>**, our leading noise reduction and speech preservation system, and the introduction of **FrequencyTrax**, a frequency lowering technology designed to help patients who truly need this intelligent option.

We've also expanded our lineup with a small, high-performance **Receiver-In-Canal (RIC) featuring a 13 battery**, and added new features and updates that you'll only find here – from MicroTech.



*looking for wireless that*

**DELIVERS MORE**

# TRUE WIRELESS

*is here*



It all starts with **IRIS Technology**, our proprietary platform that's responsible for the wireless performance, power and versatility of our Mobility lineup. Constantly monitoring and scanning the wearer's environment, IRIS Technology enables benefits that no other wireless product can match.

Compare MicroTech **IRIS Technology** to other wireless platforms.

	Ear-to-Ear Signal Processing	Synchronized User Adjustments	Direct-to-Hearing Aid Media Streaming	Intelligent Media Mobility	Direct-to-Hearing Aid Wireless Programming	No Pairing
<b>MicroTech</b>	•	•	•	•	•	•
Oticon	•	•				
Widex	•	•				
Siemens	•	•				
Phonak	•	•				
ReSound			•		•	

# UNPRECEDENTED SPEECH CLARITY

*is here*

## ST<sup>2</sup>

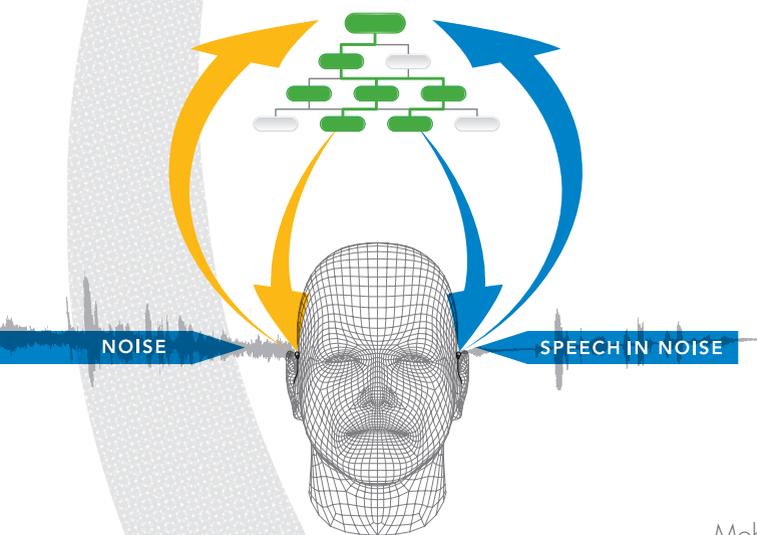
With SpeechTrax<sup>2</sup>, our leading noise reduction and speech preservation system, MicroTech tackled the biggest frustration of wearers – hearing in noise. Now we've **nearly doubled the noise reduction capability** (while still maintaining speech) with **SpeechTrax<sup>2</sup>**, our update to this proven and popular system.

Designed to help patients focus on the sounds they want to hear by reducing the sounds they don't, **SpeechTrax<sup>2</sup>**:

- Instantly applies variable noise adaptation in all 16 channels between pauses in each syllable
- Provides up to 20dB of noise reduction
- Has been proven to reduce listening effort and cognitive fatigue when used in tandem with Dynamic Directional Detection\*

# REAL EAR-TO-EAR COMMUNICATION

*is here*



Mobility delivers real ear-to-ear communication thanks to **Binaural Spatial Mapping**, which queries, analyzes, and maps the acoustic space surrounding the patient and applies an optimized signal processing strategy. Binaural Spatial Mapping is designed to boost the performance of our Adaptive Environmental Sequencing, which includes Dynamic Directional Detection, Acoustic Landscapes and SpeechTrax<sup>2</sup>.



Binaural Spatial Mapping:

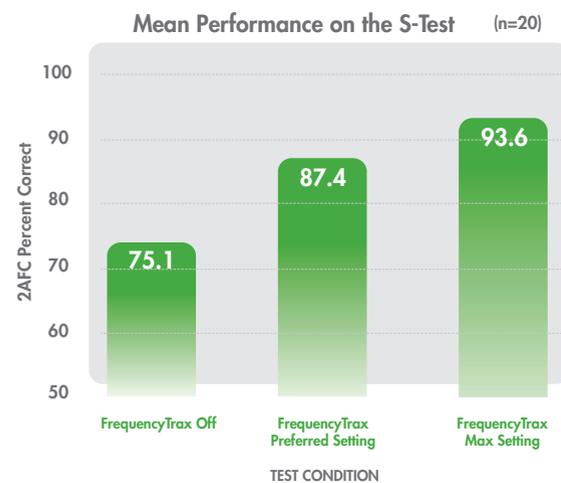
- Analyzes the inputs from two Mobility devices
- Compares and contrasts each device to evaluate its acoustic makeup
- Inputs are shared and signal processing strategies for each ear are based on the combined information

- Designed to optimize the SNR at each ear for improved communication
- Helps minimize patient's perception of disparity and switching

**Binaural Spatial Mapping, available in Mobility 50 and 40, is designed to enhance listening comfort in any environment.**

# ENHANCED AUDIBILITY

*is here*



Percent correct identification of word final fricatives /s/ or /z/, as a function of FrequencyTrax settings on the S-test (Robinson, Baer, and Moore, 2007).<sup>\*</sup> Patients performed significantly better with FrequencyTrax on at their preferred setting than with FrequencyTrax off ( $p < 0.001$ ). Moving from their preferred setting to the maximum setting again showed significant improvements in word final consonant identification ( $p < 0.05$ ).

FrequencyTrax, our new frequency lowering technology, is a smart solution for patients who have steeply sloping, high-frequency hearing loss. It is designed to **enhance real-time audibility** by intelligently identifying high-frequency speech cues – then replicating them in lower frequencies.

Available in all Mobility hearing aids,  
**FrequencyTrax:**

- Does **not** limit high-frequency bandwidth like competing technologies
- Allows Mobility to maintain important frequency relationships, retaining the sound quality that comes from harmonic distribution, while providing audibility for high-frequency speech cues for patients that may have previously been considered unaidable

- Is better able to identify speech sounds with high-frequency components such as “s” while not affecting other already audible speech sounds
- Can make high-frequency speech cues audible in the presence of dead regions by moving the information vs. overamplifying the high frequencies, while simultaneously limiting the amount of distortion

Data is from a 2011 MicroTech Clinical Trial.

<sup>\*</sup>Robinson, J.D., Baer, T. & Moore, B.C.J. (2007). Using transposition to improve consonant discrimination and detection for listeners with severe high-frequency hearing loss. *International Journal of Audiology*, 46(6), 293-308.

# FEATURES

**microtech**  
the easy choice™

## **NEW** Self Learning

Gradually and automatically learns patient volume control preferences in each active memory.

- Helps reduce the number of manual volume control adjustments the patient needs to make
- Designed to ease patient transition to new technology

## **NEW** Swap Fit

Fitting function that allows you to transfer patient settings from their current MicroTech product to a new MicroTech product.

- Enables more time for fine-tuning and counseling
- Helps provide familiar sound quality characteristics if desired by patients

## **NEW** SpeechTrax Boost

Activated via SurfLink™ Remote, this feature allows patients to enable aggressive noise reduction while optimizing sound quality in extremely noisy situations.

## Sound Enhancements

We've updated our signal processing architecture to improve overall sound quality and efficiency.

- **New vent modeling** – allows for greater precision during fitting and more accuracy during first fits
- **Automatic vent detection** – improves response simulation by automatically measuring vent size and correcting the value
- **Improved compression** – delivers more comfortable, audible sound by enhancing the responsiveness to varying signal inputs
- **Updated eSTAT targets** – designed to increase patient satisfaction during first fitting and minimize fine-tuning

## On-Demand Options

Our proven on-demand options have helped thousands of practices deliver care more efficiently and improve the overall patient experience.

- **T<sup>2</sup> On Demand** – enables you to unlock your patient's hearing aid and make common, standard adjustments remotely via touch-tone phone – to save time and enhance patient convenience
- **MT Connect™** – this popular feature in our Inspire® software gives you immediate access to a hearing care professional who can remotely operate your fitting computer, and provide real-time assistance during difficult fittings
- **Applications** – from hearing loss simulators to hearing aid fitting tools, our innovative suite of iPhone®, iPad® and iPod® Touch apps gives you and your patients immediate access to today's latest hearing resources

## Strategic Feedback Control

Continues to make feedback a thing of the past, with up to 28dB of added stable gain\*.

## Live Real Ear Measurement

Integrated into every hearing aid, it helps you verify the audibility and provide a prescriptively appropriate fitting.



*the most*

**INNOVATIVE FEATURES**

*are here*

**FLEXIBILITY & PERFORMANCE**

*is here*

Now, more patients can enjoy wireless thanks to our newest Mobility product – a RIC utilizing a 13 battery that's smaller and more powerful than any other on the market. Possibly **the most flexible, high-performance hearing aid ever designed**, the new RIC 13 lets virtually every patient enjoy the unprecedented benefits of Mobility.

Mobility features MicroTech's most comprehensive offering of RIC styles, including a RIC 312 and our new **RIC 13**.

- Lets you fit all types of hearing loss, with receivers ranging from 40dB to mPower receivers of 70dB
- Delivers the battery life of a standard 13 product in a case significantly smaller than our 312 RIC
- Features a configurable user control for either volume or memory
- Includes a telecoil, locking battery door and is DAI capable
- Includes HydraShield®2
- Builds off the award-winning design language that has earned several industry honors



Available in colors designed to blend in – or stand out



From renowned features like our Strategic Feedback Control to new ones, like FrequencyTrax, it's what's inside every Mobility hearing aid that makes them **the easy choice** for all your patients.

# EXCEPTIONAL DURABILITY

*is here*



We **added advanced oleophobic properties** to our HydraShield nano-coating to better protect Mobility hearing aids from earwax and other oily substances. The result is HydraShield<sup>2</sup>, a new oleophobic nano-coating that makes Mobility more reliable and durable than ever before.

The combined oleophobic and hydrophobic capabilities of HydraShield<sup>2</sup> ensure Mobility hearing aids are virtually impervious to everyday moisture.

- New oleophobic nano-coating is proven effective against wax and oils
- Protects transducers, batteries and circuits from moisture and corrosion
- Designed to reduce office visits for wax-related repairs
- Helps improve patient satisfaction
- Double-wall, unibody construction keeps moisture away from sensitive electronics



# EASY *wireless*

SurfLink Programmer



Thanks to our innovative **SurfLink accessories**, only Mobility delivers on the true promise of wireless by eliminating the need for body-worn devices during programming and daily listening.

Our **SurfLink Programmer**, combined with IRIS Technology and Inspire fitting software, gives you the ultimate speed and flexibility in direct-to-hearing-aid wireless programming.

- Detects your patients' Mobility devices in seconds
- Features at least a 20-foot range

- Frees patients to move around during counseling and demonstrations
- Connects via standard USB cable
- Requires no additional hardware for the patient
- Is 4x faster than HiPro and nearly twice as fast as NOAHlink and nEARcom

SurfLink Media



**SurfLink Media** provides patients with the first set-and-forget media streaming solution.

- Streams stereo sound directly from media devices to the patient's hearing aids without pairing or body-worn relay devices
- Uses Intelligent Media Mobility to allow seamless room-to-room transitions between media devices
- Enables multiple people wearing Mobility hearing aids to connect to a single device

- Eliminates audio delay and lip-sync issues\* commonly found with other wireless systems
- Helps prevent patients and companions from fighting over the volume

With the optional SurfLink Remote, patients can control memory and hearing aid volume adjustments, mute their hearing instruments, or go in and out of streaming mode if they desire.



\*Latency is unnoticeable according to International Telecommunications Union standards.

# *tomorrow's* BEST-SELLING HEARING AIDS *are here*

## **mobility**<sup>50</sup> VIBRANT

Designed for vibrant lifestyles, includes 16 channels and 16 bands for optimal high-resolution sound imaging, providing optimum flexibility and performance in a broad range of demanding listening environments that include high levels of background noise.

Premium ear-to-ear processing with Binaural Spatial Mapping.

Synchronized User Adjustments for volume and memory. Also includes Binaural Telephone Mode.

Compatibility with all SurfLink Accessories.

Strategic Feedback Control – leading technology that ensures wide fitting ranges and a fast response to more complex feedback.

Premium SpeechTrax<sup>2</sup> utilizes 16-channel high resolution for successful performance in noise, including up to 20dB of noise reduction.

FrequencyTrax – intelligent frequency lowering technology engineered for patients with severe high-frequency loss.

Dynamic Directional Detection – designed to better perform in highly complex environments with background noise.

Live Real Ear Measurement measures the hearing aid output in your patient's ear, ensuring an accurate fit to prescriptive targets.

Live Speech Mapping verifies hearing aid's processing of speech, or any live acoustic input, in real time; 3D display engages patient and family in fitting process.

Intuitive Features include Music Processing, Voice Indicators, Automatic Telephone Solutions and Television Processing.

## **mobility**<sup>40</sup> ACTIVE

Designed for active lifestyles, includes 12 channels and 12 bands for high-resolution sound imaging, providing excellent performance in a broad range of demanding listening environments that include moderate levels of background noise.

Advanced ear-to-ear processing with Binaural Spatial Mapping.

Synchronized User Adjustments for volume and memory. Also includes Binaural Telephone Mode.

Compatibility with all SurfLink Accessories.

Strategic Feedback Control – leading technology that ensures wide fitting ranges and a fast response to more complex feedback.

Advanced SpeechTrax<sup>2</sup> utilizes 12-channel high resolution for successful performance in noise, including up to 8dB of noise reduction.

FrequencyTrax – intelligent frequency lowering technology engineered for patients with severe high-frequency loss.

Dynamic Directional Detection – designed to better perform in highly complex environments with background noise.

Live Real Ear Measurement measures the hearing aid output in your patient's ear, ensuring an accurate fit to prescriptive targets.

Live Speech Mapping verifies hearing aid's processing of speech, or any live acoustic input, in real time.

Intuitive Features include Automatic Telephone Solutions and Television Processing.

## **mobility**<sup>30</sup> SOCIAL

Designed for social lifestyles, includes 8 channels and 8 bands for precise sound imaging, providing good performance in environments with minimal to moderate levels of background noise.

Synchronized User Adjustments for volume and memory. Also includes Binaural Telephone Mode.

Compatibility with all SurfLink Accessories.

Strategic Feedback Control – leading technology that ensures wide fitting ranges and a fast response to more complex feedback.

Select SpeechTrax<sup>2</sup> utilizes 8-channel high resolution for successful performance in noise.

FrequencyTrax – intelligent frequency lowering technology engineered for patients with severe high-frequency loss.

Dynamic Directional Detection – designed to better perform in highly complex environments with background noise.

Live Real Ear Measurement measures the hearing aid output in your patient's ear.

Live Speech Mapping verifies hearing aid's processing of speech, or any live acoustic input, in real time.

Intuitive Features include Automatic Telephone Solutions and Television Processing.

Quality. Service. Value. Performance. What company can you count on to deliver all that and more? That's easy — **MicroTech.**

