

Paediatric Product Portfolio  
2015/2016

A better future for every child with hearing loss



**At Oticon, our paediatric mission is very specific:**

**To create a better future for every child with hearing loss**



**Safeguarding the future of children with hearing loss**

Oticon's audiological mission is to help hearing care professionals create a better future for children with hearing loss.

We want to assist children in realising their full potential with hearing aids capable of meeting their individual needs as they journey towards adulthood.

We will empower you to adapt solutions to fit children's needs at every stage of their development.

**Every child is unique**

We aim to deliver solutions, tools and techniques that offer everything you need to provide every child with hearing loss a better future.

That's our mission. That's where we want to go. **Together.**

# Introducing the BrainHearing™ approach

## It is the brain that makes sense of sound

We hear with our brain. Not our ears. The ears receive sounds and send them to the brain that translates the sounds into meaning. It is the brain that makes sense of sound, and so the child's brain must be stimulated to develop.

## Although hearing loss happens in the ears, the real effect is in the brain

Speech is a cognitive process that happens in the brain. During the first three and a half years of childhood neuronal networks are critically sensitive to stimulation, although the brain remains plastic throughout life.\*

We want to provide solutions that provide the child's brain with the very best information so that the child has the best opportunity to get the most out of the spoken word.



## Giving the child's developing brain what it needs

We will continue to ensure that our core features culminate in greater speech understanding for children in the many complex educational and social environments they encounter every day.

Key to achieving this are solutions that allow you to adapt BrainHearing™ technologies to suit each child's unique needs. Oticon BrainHearing™ technologies ensure continued access to the highest possible sound quality which ensures that young brains are stimulated to learn.

**Oticon incorporates the most advanced sound processing features supporting BrainHearing** Speech Rescue™ is our new frequency composition approach introduced with Sensei Super Power which rescues high frequency speech cues and gives the child the audibility to hear more speech sounds.

Speech Guard E is our adaptive compression system in our Pro models that helps preserve the fine details of sound, making sounds audible, comfortable and clear.

Both features support the child's brain in making sense of sounds to improve speech understanding.

\* Kral & Sharma, 2012, Developmental neuroplasticity after cochlear implantation. *Trends Neurosci* 35(2):111-22.



## Dedicated paediatric features



### Speech Rescue™

Speech Rescue is a frequency lowering approach that precisely copies and adds high frequency sounds to a lower audible frequency range that the child can hear. The frequency composition operates like a “copy and paste function” to lower the speech information and maintains sounds at the original high frequencies.

Speech Rescue repositions higher frequency speech energy into available mid-frequency spaces with minimal distortion in the mid-frequencies. Speech Rescue provides the option to then turn down the high frequency gain or to provide the complete bandwidth of amplification available to the child across all frequencies at all times, even when Speech Rescue is on.

Speech Rescue gives the child the audibility to hear more speech sounds, especially high frequency sounds, such as “s” and “th”, in order to increase speech understanding.



### Speech Guard E

Speech Guard E combines linear and non-linear amplification systems into adaptive compression to optimise the listening experience in both stable and abruptly changing environments. This prevents sounds from being uncomfortable and provides a clear and intact signal.\*

The child will get all the audibility that they need and will experience the sound information needed to improve speech understanding. Most importantly, Speech Guard E delivers high-quality sound by preserving the differences in intensity and nuances of the speech signal to support the child's brain in making sense of sound.

\* Pittman et al. 2014 “Effects of Fast, Slow and Adaptive Amplitude Compression on Children's and Adult's Perception of Acoustic Information”, Journal of American Academy of Audiology (JAAA), Vol. 25, No. 9, 2014.



### Inium feedback shield

Inium feedback shield significantly reduces whistling without compromising on sound quality, audibility or comfort. We have achieved this by intelligently combining three technologies to protect children from whistling while maintaining a clear and natural sound with fewer interruptions.

The new Inium Sense feedback shield<sup>SP</sup> is specifically adapted for severe to profound hearing losses, supporting Speech Rescue and an extended Super Power bandwidth. It ensures that feedback is controlled in the frequency regions where the risk of feedback is highest.

Both the Inium feedback shield and the new Inium Sense feedback shield<sup>SP</sup> prevent feedback while preserving sound quality.



### EasyRECD™

The EasyRECD tool is an accurate, easy-to-use and time-efficient tool that helps you include real-ear-to-coupler difference (RECD) when fitting Sensei and Sensei SP in a fast and easy way.

Taking just five minutes per ear, it can easily be adapted into daily practice. The EasyRECD tool was developed and validated in collaboration with experts Sheila Moodie, Ph.D. and Shane Moodie, MCISc from Western University, Ontario, Canada\*.

\* Moodie KS; Moodie STF, Easwar V & Oticon Pediatric, Pilot validity study, Whitepaper 2014



### VoicePriority i™

VoicePriority *i* is an automatic adaptive feature built into the hearing aid that adjusts the FM signal at ear-level to prioritise the teacher's voice in noisy conditions.

When an FM receiver is enabled, VoicePriority *i* monitors the noise level around the child. If noise levels reach 58 dB(A) and the teacher is talking, VoicePriority *i* incrementally increases the FM gain. This ensures that each child's FM gain is adjusted to their individual needs.

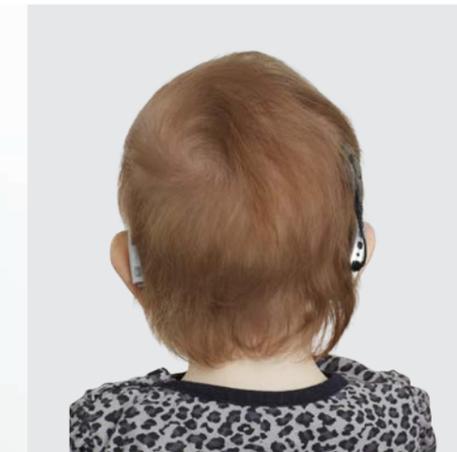
Researcher Erin Schafer, Ph.D, University of North Texas, USA has validated VoicePriority *i* in favour of a traditional FM or a hearing aid alone\*.

\* Schafer et al. 2013 - “Effects of VoicePriority in FM Systems for Children with Hearing Aids”, Journal of Educational Audiology 19:12-24, 2013.



### SmartFit™ Trainer

An industry first, SmartFit™ Trainer solves the challenge faced by many parents: ensuring ear moulds are inserted correctly. When the insertion is unsuccessful, the LED will begin to blink rapidly to alert the parent or other caregiver.



### Bimodal fitting protocol

Oticon has implemented a bimodal fitting guide in the Genie fitting software, which is applicable when fitting Sensei Super Power. Developed by experts at the Boys Town National Research Hospital, the bimodal protocol guides you in balancing loudness and shaping the frequency response\*. The goal is to provide the child with the best possible acoustic settings and to balance these with cochlear implant mapping when fitting an implanted child with a Sensei SP.

\* Carisa Reyes, Au.D., CCC-A, Cochlear Implant Audiologist, Boys Town National Research Hospital.

## Designed to last

Oticon paediatric hearing aids meet the highest possible safety and reliability standards

**Oticon paediatric hearing aids are safe, fit securely on the ear and have a robust design to stand up to children's active lives.**

**Robust and reliable, ideal for active kids**

To ensure their high quality, our products have undergone extensive internal tests and meet strict internal durability requirements and international child safety standards (IEC 60601-2-66:2012). For example, they are shock and drop-resistant to withstand children's rough treatment.

**Safety first, in all aspects of the child's life**

Child safety has always been a prime concern at Oticon. To keep inquisitive fingers away, the tamper-resistant battery door is standard for ages 0-3 to avoid access to and accidental swallowing of batteries.

**LED status indicator, for complete peace of mind**

The well-known LED on Oticon paediatric hearing aids provides you, teachers and caregivers with immediate visual confirmation of the status of the hearing aids for peace of mind that the battery is functioning properly.



## Made for childhood

Repels water and dust - completely hypoallergenic too!



Oticon paediatric hearing aids are capable of withstanding humidity, water, dust and heat. And they are also hypoallergenic!

**IP58 classification for dust- and water-resistance**

Oticon's IP58-certified intelligent mechanical design includes barriers to prevent water, dust and debris from getting inside. The hearing aids are also nano-coated to repel water and offer protection against water in mechanical casings and with electrical enclosures. They are water ingress tested in one metre of water for 2 hours. Ready for jumping in puddles, playing sports, sweating and summer humidity.

**Free of allergens**

In addition to meeting international standards on safety and biocompatibility, at Oticon we have excluded more than 200 potentially harmful materials - including being phthalate-free - and substances and compounds to minimise allergies. Our hearing aids are completely hypoallergenic, including the accompanying decorative stickers, and come with biocompatible painted surfaces to protect against allergies.

# Every **child** deserves the best

Oticon Sensei is a family of hearing instruments designed to give a better future to every child.

Built on the Inium platform, Sensei combines revolutionary audiological features with a robust design. This ensures the unique needs of all children, from infants to teens, are met.

## BENEFITS

### Every child deserves the best

Helps deliver sound information needed to improve speech understanding. Increases the child's ability to complete complex auditory tasks.

Ensures correct ear mould insertion - every day. Confirms to parents they're inserting the ear mould correctly.

True Oticon sound quality free from whistling and artefacts in more challenging situations.

Fast and easy to perform RECD method when working with infants and children.

Ensures audibility of the teacher's voice when noise is excessive around the student. Facilitates attention shifting between different speakers when it is noisy.

## HOW

### Combines advanced audiological features with a robust design.

**Speech Guard E's** superior adaptive compression preserves the important speech details, making them audible, comfortable and clear.

**SmartFit™ Trainer** introduces a new dimension when showing parents how to insert ear moulds. The LED indicates when the ear mould is not in the correct position.

**Inium feedback shield** efficiently prevents feedback, even in difficult situations, without compromising audibility and sound quality.

**EasyRECD™** tool takes the complexity out of RECD when the child is in the clinic.

**VoicePriority i™** is an advanced and adaptive FM strategy that constantly monitors and balances the FM signal depending on the noise level around the student.

\* Bandwidth accessible for gain adjustments during fitting. Measurements performed in technical settings according to 711 coupler.



## Important features

### Speech Guard E

Adaptive compression system

### Binaural Synchronisation

Automatic features

### Tri Mode

Automatic directionality

### SmartFit Trainer™

Correct ear mould insertion indicator

### Free Focus

Directionality microphone modes

### Adaptive Directionality

Up to four noise sources

### Noise Management

Automatics

### Bandwidth\*

Fitting bandwidth

### Speech Rescue™

Frequency composition

### Inium Sense feedback shield<sup>SP</sup>

Anti-feedback system

### Bimodal fitting protocol

Improving SP and CI fittings

### EasyRECD™

Real ear acoustics

### VoicePriority i™

Adaptive FM strategy

### Status indicator

LED status indicator

### ConnectLine

Wireless connectivity

## Sensei Pro

•
•
•
•
Premium
Multiband
TriState
10 kHz
N/A
• (Inium feedback shield)
N/A
•
•
•
•

## Sensei

Essential
Singleband
TriState
10 kHz
N/A
• (Inium feedback shield)
N/A
•
•
•
•



## Sensei SP Pro

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•
Premium
Multiband
TriState
6,5 kHz
•
•
•
•
•
•

## Sensei SP

Essential
Singleband
TriState
6,5 kHz
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# Power your senses

Oticon Sensei Super Power offer great opportunities to fit more children with severe to profound hearing losses.

Building on the new Inium Sense platform and BrainHearing technology, Sensei SP offers a unique approach to sound processing. Oticon's innovative frequency lowering technology, Speech Rescue™, works in combination with Oticon's advanced compression system, Speech Guard E, to increase speech understanding.

## BENEFITS

### More speech details than ever before

Gives the child the audibility to hear high frequency sounds, such as "s" and "th".

Helps the child to perceive speech more clearly and supports the child's brain in making sense of speech sounds.

Highly efficient feedback management system specifically adapted to super power output levels to prevent feedback.

Bimodal balance for optimised sound and music experience with both acoustic and electric sound.

Ensures correct ear mould insertion.

Fast and easy to perform RECD.

Adjusts the FM signal at ear-level.

## HOW

### Combines BrainHearing™ technology with a small, robust super power design.

**Speech Rescue™** lowers the high frequencies to ensure full access to inaudible sounds.

**Speech Guard E's** superior adaptive compression preserves the important speech details.

**Inium Sense feedback shield<sup>SP</sup>** detects, prevents and eliminates feedback more efficiently if it is about to occur.

**Bimodal fitting protocol** benefits the child with the best possible acoustic settings to balance with cochlear implant mapping when fitting an implanted child.

**SmartFit™ Trainer** helps parents know when ear moulds are inserted correctly or not.

**EasyRECD™** tool is a fast and easy way to include ear acoustics.

**VoicePriority i™** ensures that the child's FM gain is adjusted to their individual needs.





# Discreet and comfortable solutions for teenagers

miniRITE, designRITE and custom styles open up the world for teenagers

Oticon Alta2, Nera2 and Ria2 comprise our Performance Line hearing solution families, that delivers BrainHearing™ technology to help the brain make the best sense of sound. With Soft Speech Booster, soft speech understanding improves in all soft sound environments. Alta2, Nera2 and Ria2 offer high sound quality in combination with the most discreet miniRITE, designRITE and custom solutions for teenagers' individual needs and preferences.

**A full collection in all three families**  
In the Performance Line families there is a wide range of styles, fitting options and colours to choose from that perfectly fit behind or in the ear.

**Easy FM connectivity with Streamer Pro**  
No need to compromise FM for small size. Oticon can help with FM compliance by attaching one FM receiver to the Streamer Pro. In addition to miniRITE and designRITE, our custom styles offer teens even more flexibility offering FM access too.

That means teens can experience the benefits of discreet hearing aids and FM at the same time, to enhance learning and reduce their listening effort to get the most out of their educational experience.

# Core performance features

The product families are available at different performance levels.

Each family is designed to provide each and every one of your clients with the exact level of the sound details they prefer. In particular, the new range improves listening performance in situations where soft sounds are present and increases understanding of soft speech.

Important features	Alta2	Nera2	Ria2
Speech Guard E	•		
Spatial Noise Management	•		
Spatial Sound	Premium	Advanced	
Binaural Processing	•	•	
Soft Speech Booster	•	•	
VAC+	•	•	
DSL	•	•	•
Binaural Synchronisation	•	•	•
YouMatic	Premium	Advanced	Essential
Free Focus	Premium	Advanced	Essential
Inium Sense feedback shield	•	•	•
Tinnitus SoundSupport™	•	•	•
Fitting Bandwidth*	10 kHz	8 kHz	8 kHz

\* Bandwidth accessible for gain adjustments during fitting. Measurements performed in technical settings according to 711 coupler.

### designRITE and miniRITE colours

<b>90</b> Chroma Beige	<b>94</b> Terracotta	<b>93</b> Chestnut Brown	<b>44</b> Silver	<b>91</b> Silver Grey	<b>92</b> Steel Grey	<b>63</b> Diamond Black
<b>47</b> Cool Blue	<b>99</b> Pale Lime	<b>95</b> Vivid Lilac	<b>66</b> Mother of Pearl	<b>73</b> Cabernet Red	<b>68</b> Midnight Blue	<b>69</b> Sunset Orange

miniRITE      designRITE

### Custom colours

<b>01</b> Beige	<b>02</b> Light Brown	<b>03</b> Medium Brown	<b>04</b> Dark Brown	<b>05</b> Black
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Only IIC and CIC

### designRITE miniRITE & RITE miniFit receivers



### Flex power moulds



# FM solutions made easier

Oticon Amigo sends sound signals directly to the child's ears for better understanding in noisy situations.

Oticon's Amigo FM system consists of three components: a microphone, transmitter and receiver. The microphone picks up the wearer's voice, and the transmitter sends it directly to the listener's receiver for amplification in their hearing aids. With direct access to the speech signal, children can use their energy not just on trying to hear, but on understanding what is actually being said.



T30

**Amigo T30 is a very user-friendly and highly reliable solution offering:**

- ▶ Full programming and fitting capabilities
- ▶ Multiple microphone options and wearing options
- ▶ Broad 8.5 KHz bandwidth
- ▶ Built-in LED status indicator
- ▶ Easy navigation pads
- ▶ High resolution LCD display
- ▶ Rechargeable NiMH or std AA alkaline battery
- ▶ Compatible with other non-Amigo FM receivers



T31

Same function as T30 but also features built-in Team Teaching, to support natural interaction by sending the voices of both teachers directly to the child's FM receivers.



T5

**Amigo T5 represents the most cost-effective body-worn FM transmitter solution in the Amigo family, featuring:**

- ▶ simple user interface and clear controls
- ▶ multiple microphone options
- ▶ mute button
- ▶ LED status indicator
- ▶ channel display
- ▶ rechargeable NiMH or std AAA alkaline batteries

## Where Amigo makes a difference:

- ▶ Gives even the best hearing aids an extra FM boost in loud environments
- ▶ Amigo T30/T31 classroom transmitters are easy to use and highly reliable
- ▶ Hearing the teacher in a noisy classroom
- ▶ Following instructions during sports/leisure activities
- ▶ Watching TV at normal volume with the family
- ▶ Easy and discreet FM access via Streamer Pro
- ▶ FM systems used in the classroom have been found to reduce listening effort
- ▶ Handheld wireless Amigo programmer



## Amigo Star



The Amigo Star is our ear-level FM receiver for normal hearing children with listening difficulties. This FM receiver is comfortable, easy to handle and reliable.

Amigo Star is designed to be used with the Oticon Amigo T30/T31 transmitter or T5 transmitter. However, it can receive FM input from virtually any transmitter. The system gives access to the teacher's voice by overcoming the distance and increasing the signal-to-noise ratio in the child's ear. Amigo Star has the ability to help children conserve some of their resources to concentrate on what matters most: their learning.

## Amigo Arc



Amigo Arc belongs to the Amigo FM product family and is a neckloop FM receiver. Amigo Arc can be used with instruments with a telecoil, e.g. BTE, RITE, ITE, Cochlear Implants and Bone Anchored hearing solutions and with headphones for people with CAPD. Amigo Arc also works with all Amigo transmitters plus most other brands of FM transmitters.

## Oticon's wide range of connectivity possibilities - your freedom to mix and match

Amigo delivers what is crucial for children with hearing loss for their language development, learning and socialising: the best possible speech intelligibility in difficult listening situations.



Amigo R12

Dedicated receiver for most Oticon BTE styles except miniRITE. Push button for on/off and channel seek/change 17 colours



Amigo R2

Universal 3-pin euro connector for virtually all BTE hearing aids and Streamer Pro. Features a unique push button for channel seek/change. Couples with Oticon FM9 audio shoe/adaptor for virtually all FM-compatible Oticon BTEs and RITEs. Silver



Amigo R2 BA

Universal receiver for Oticon Medical "Ponto" bone-anchored sound processors. Offers the same functionality as the Amigo R2 Silver



Amigo R7

Dedicated receiver for Sumo BTE styles. Offers the same functionality as the Amigo R2 Silver



Amigo R5

Cost-effective body-worn FM receiver offering multiple coupling options: headphones, Direct Audio Input, neckloop and CI connection, making it suitable for a wide range of applications including CI and bone-anchored devices. Nonoccluding headphones are available for adults and children with minimal hearing losses and auditory processing disorders. Includes tamper-resistant volume and channel control. Silver

All receivers feature: Multi-channel, Wireless programming, Wireless synchronisation, LED indicator, Channel seek function & Program switch



## ConnectLine

More opportunities to meet more children's individual needs

### Streamer Pro

- ▶ Long battery life
- ▶ Compact, user-friendly design
- ▶ Intuitive operation
- ▶ Compatible with all wireless Oticon hearing aids
- ▶ Integrated T-coil

### Easy FM attachment

- ▶ Universal FM receiver attached to the Streamer Pro

### Phone adapter 2

- ▶ Answer the phone from "where you are"
- ▶ Wireless range up to 30 metres

### TV adapter 2

- ▶ Digital TV with TOSLINK
- ▶ Wireless range up to 30 metres

### Microphone

- ▶ Greatly improved speech intelligibility at a distance



# Help children to **connect** to today's technology

## Empowering children to interact, play and learn

### One complete, integrated system

We have an obligation to help hearing impaired children of all ages to navigate in our tech-heavy world. ConnectLine is the one solution that offers the most connectivity opportunities in one system.

### Easy to use

Easy and intuitive to use, ConnectLine ensures straightforward operation and can be tailored to meet children's individual needs.

### Maximises the benefits of hearing aids

ConnectLine's wireless technology works seamlessly with Oticon hearing aids to enhance positive listening and communication experiences, such as streaming conversation from mobile or landline phones, enjoying one-to-one communication, watching TV, listening to music, video chatting, and more.

### Based on experience

Oticon is a first mover in connectivity solutions. Benefitting from "real world" user experiences, this is the second generation of the innovative ConnectLine system introduced five years ago.

### Easy connection to FM

By allowing universal FM receivers to be attached to the Streamer Pro, students who depend on FM can experience the benefits of discreet hearing aids and FM, without the use of ear level receivers.



Remote



Mobile



TV



Microphone



Computer



Phone



Music



FM



Minijack



Tele loop



App



## Take control with iPhone or Android smartphone

The Oticon ConnectLine App for iPhone®, iPad®, iPod touch® and Android™ smartphones and tablets puts all the benefits of our powerful ConnectLine system in the palm of the child's hands. With a few swipes and taps, they can adjust volume levels, switch between programs, fine-tune individual settings and much more.

The Oticon ConnectLine App provides an easy and cool way to manage hearing aids via the Streamer Pro. With the Oticon ConnectLine App the older child can control a wide range of communication and media devices while the Streamer remains discreetly tucked away out of sight.

Available for free on App Store and on Google Play™



For more information and details on compatibility, please visit [www.oticon.com/app](http://www.oticon.com/app)

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## Discretion and convenience with Oticon Remote Control 2.0

The Remote Control can be used to adjust the volume of the hearing aids and to switch between programs for a more pleasant listening experience.

Empower the child by giving them the ability to take control of their hearing aids. The Remote Control can be used with all wireless Oticon aids.

# Product comparison

## Feature overview

### Sensei & Sensei SP colours



### Sensei family



### Ultra Power Sumo DM



All families have:  
 - 4 programs  
 - Memory (datalogging)  
 - Autophone option

All families are Fitting Link enabled

**FM compatibility:**  
 All Sensei and Sensei SP models are fully FM compatible using any of the following: FM 9 audio shoe & Amigo R2 universal FM receiver or other universal receiver; R12 dedicated receiver; Streamer Pro & Amigo R2 or other manufacturer universal receiver. Oticon FM access adhere to FM guidelines.

Paediatrics  
Performance

Platform	Product	Compression Strategy	Speech Rescue	Anti-Feedback System	Rationales	Adaptation Management	Fitting Capabilities					Personalisation					Binaural Broadband				Directionality			Listening Enhancement					
							Fitting Bandwidth <sup>1)</sup>	Fitting Bands	Easy RECD™	SmartFit™ trainer	LED status indicator	Voice Priority i™	Soft speech Booster	YouMatic	Personal Profiles	Spatial Noise Management	Noise Management	Spatial Sound	Binaural Processing <sup>2)</sup>	Binaural Synchronisation <sup>3)</sup>	Binaural Coordination <sup>4)</sup>	Free Focus	Automatics	Bands	Back dir	Special Purpose programs	Learning	ConnectLine enabled <sup>5)</sup>	
INiUM WIRELESS	Sensei Pro	Speech Guard E		Inium feedback shield	DSL v 5a NAL-NL 1, NAL-NL2	Automatic	10 kHz	10	●	●	●	●						Binaural TriState			●	●	Premium	Tri mode	Multiband Adaptive		Music only		Connect [+]
	Sensei	Single Compression		Inium feedback shield	DSL v 5a NAL-NL 1, NAL-NL2	Automatic	10 kHz	8	●		●	●						TriState				●	Essential	Dual mode	Single band Adaptive		Music only		●
INiUM Sense	Sensei SP Pro	Speech Guard E	●	Inium Sense feedback shield <sup>SP</sup>	DSL v 5a, NAL-NL 1, NAL-NL2, DSE	Overall Loudness Trimmer	6.5 kHz	9	●	●	●	●						Binaural TriState			●	●	Premium	Tri mode	Multiband Adaptive	●	Music only		Connect [+]
	Sensei SP	Single Compression	●	Inium Sense feedback shield <sup>SP</sup>	DSL v 5a, NAL-NL 1, NAL-NL2, DSE	Overall Loudness Trimmer	6.5 kHz	8	●		●	●						TriState				●	Essential	Dual mode	Single band Adaptive	●	Music only		●
	Alta2 Pro	Speech Guard E		Inium Sense feedback shield	VAC+, NAL-NL1, NAL-NL2, DSL v 5a	Automatic & Manual w/First Fit Algorithm	10 kHz	10					●	Premium	5	●		Binaural TriState	Premium	●	●	●	Premium	Tri mode	Multiband Adaptive	●	●	●	Connect [+]
	Alta2	Speech Guard E		Inium Sense feedback shield	VAC+, NAL-NL1, NAL-NL2, DSL v 5a	Automatic & Manual w/First Fit Algorithm	10 kHz	10					●	Premium	5			Binaural TriState			●	●	Premium	Tri mode	Multiband Adaptive	●	●	●	Connect [+]
	Nera2 Pro	Single Compression		Inium Sense feedback shield	VAC+, NAL-NL1, NAL-NL2, DSL v 5a	Automatic & Manual	8 kHz	8					●	Advanced	3			Binaural TriState	Advanced	●	●	●	Advanced	Tri mode	Multiband Adaptive	●	●	●	Connect [+]
	Nera2	Single Compression		Inium Sense feedback shield	VAC+, NAL-NL1, NAL-NL2, DSL v 5a	Automatic & Manual	8 kHz	6					●	Advanced	3			Modulation Based			●	●	Advanced	Tri mode	Single band Adaptive	●	●	●	Connect [+]
	Ria2 Pro	Single Compression		Inium Sense feedback shield	NAL-NL 1, NAL-NL2, DSL v 5a	Automatic & Manual	8 kHz	6						Essential	3			Modulation Based			●	●	Essential	Dual mode	Single band Adaptive		●	●	●
	Ria2	Single Compression		Inium Sense feedback shield	NAL-NL 1, NAL-NL2, DSL v 5a	Manual	8 kHz	4						Essential	3			Modulation Based			●	●	Essential	Dual mode	Single band Adaptive		●	●	●

1) **Bandwidth:** Bandwidth accessible for gain adjustments during fitting. Measurements performed in technical settings according to 711 coupler.

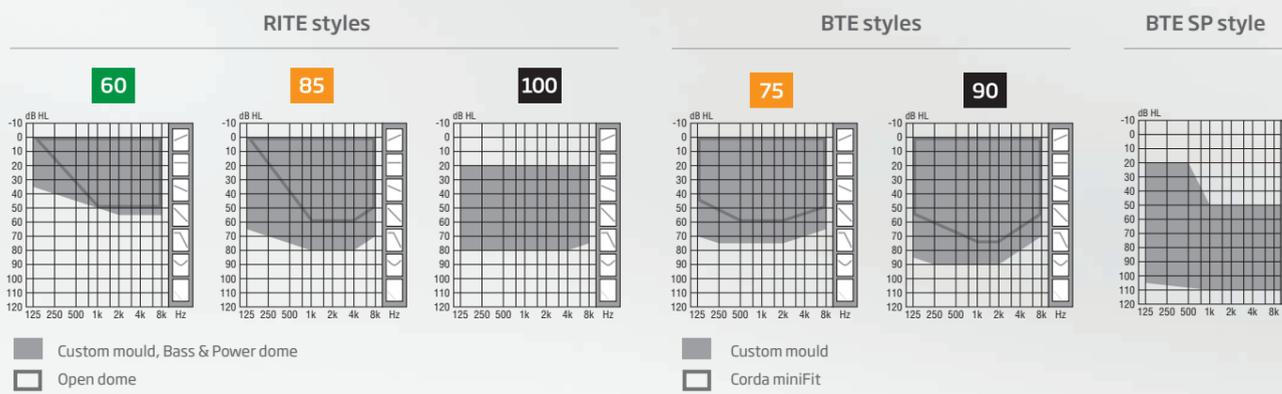
2) **Binaural Processing:** Spatial Compression System Spatial Noise Management (optional)

3) **Binaural Synchronisation:** Binaural Automatics Directionality Binaural Noise Management

4) **Binaural Coordination:** Binaural VC. (Sensei SP have an analogue volume wheel) Binaural Push-button Operation Binaural Phone Operation

5) **ConnectLine:** Connect [+ ] consist of Power Bass and Music Widening

### Sensei family



### Style overview

	Sensei			Sensei SP	Sumo	Alta2 - Nera2 - Ria2			
	RITE	BTE312	BTE13	Super Power	Ultra Power	designRITE	miniRITE*		
	60	85	100			80	60	85	100
Battery size	312	312	312	13	675	10	312	312	312
Fitting Range	0-55	0-80	20-80	0-90	50-110	0-80	0-60	0-85	20-100
OSPL90 (peak)									
Zcc coupler	105	118	124	117	126	117	105	118	124
711 Ear simulator	115	127	132	126	135	127	115	127	132
Full-on gain (peak)									
Zcc coupler	35	55	57	51	60	53	35	55	57
711 Ear simulator	46	65	66	61	68	62	46	65	66

Paediatrics Ultra Power Performance

## People First

People First is our promise to empower people to communicate freely, interact naturally and participate actively

 [youtube.com/OticonPeopleFirst](https://www.youtube.com/OticonPeopleFirst)

 [facebook.com/OticonProfessionals](https://www.facebook.com/OticonProfessionals)

child  
friendly  
hearing  
care

Our paediatric audiological mission is to ensure a better future for every child with hearing loss. We will deliver solutions, tools and techniques that optimise auditory and cognitive habilitation, embrace the complexities of growing up with hearing loss, and empower you to adapt solutions to each child's developmental stage on their journey towards adulthood.

