



WIDEX SUPER™

THE POWER TO HEAR





TRUE **SUPER** POWER

Small, comfortable and versatile
- **WIDEX SUPER** introduces RITE
technology to the **super power**
segment for the first time.

THE ULTIMATE **POWER**



For those hearing aid users with severe to profound hearing loss, power is the key. But power should not be at the cost of sound quality. Nor should it sacrifice design.

The new WIDEX SUPER™ hearing aid is one of the smallest yet most powerful RITE's available. It provides maximum amplification within the minimum housing. It gives users unsurpassed natural sound and access to sounds they may not have heard before. And it provides unparalleled maximum output in the lower frequencies.

And with SUPER, users with severe to profound hearing loss have the power to localise sounds from all directions.

Users also benefit from Widex' unique wireless technology, WidexLink, as well as full coordination and synchronisation of their hearing aids with InterEar (IE) functionality.

With WIDEX SUPER, users can enjoy all the benefits of traditional BTE hearing aids but with the looks, style and small size of a RITE design.

DESIGNED FOR **EVERYDAY** LIFE



The power to hear more

For the first time a hearing aid that lets super power users hear sounds they may not have heard before. WIDEX SUPER is the only super power hearing aid with the **Audibility Extender**, which expands the range of audible sounds and is shown to improve speech perception in people with severe to profound hearing loss.

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Orientation of sound

It's not just important to hear, but also to localise sounds. WIDEX SUPER gives super power users the opportunity to determine the origin of the sound with features such as a unique **IE compression system and Digital Pinna**.

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All day, all weather...

Users with severe to profound hearing loss are dependent on their hearing aids. As WIDEX SUPER is weather resistant, they can use it all the time no matter what the weather.

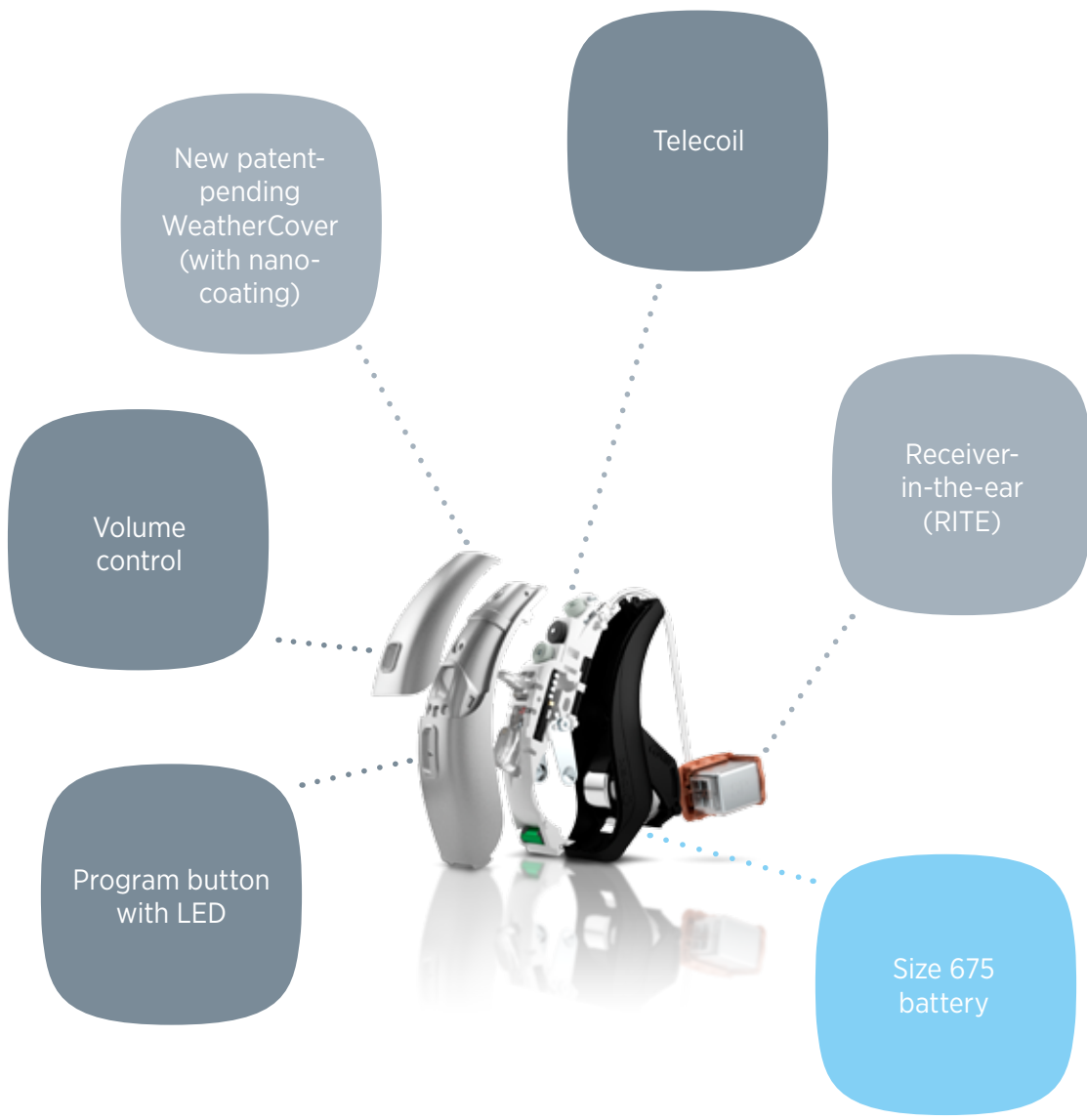
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Super power, super small

WIDEX SUPER packs the power of more traditional BTE's into one of the smallest housings available so users can enjoy the comfort and style with no compromise in sound quality.

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MODELS AND COLOURS

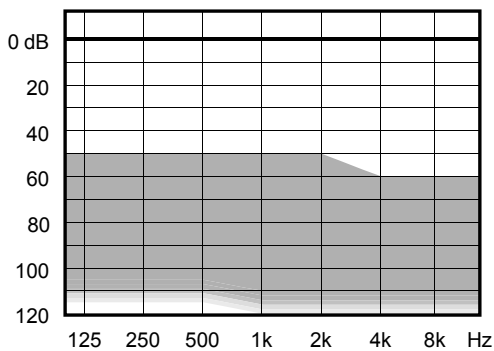
	Upper housing	Lower housing
Warm beige (021)		Brown 
Tan silk (081)		Brown 
Cappuccino brown (071)		Brown 
Midnight black (074)		Charcoal grey 
Titan grey (073)		Charcoal grey 
Winter silver (072)		Charcoal grey 
Winter silver (572)		Black 



Earmould/Ear-tip flexibility

Hearing loss profile	Hearing aid type	Receiver	Wire	Earmould/Ear-tip	Special features
Moderate to severe	S4-VS S2-VS	RIC P	EarWire RIC	Custom receiver soft ear-tip	Telecoil
				Custom receiver hard ear-tip	LED
				Instant receiver double ear-tip	Volume control
				Instant receiver tulip ear-tip	Program button
Severe to profound	S4-VS S2-VS	RITE SP	EarWire RITE	Custom hard earmould (Output Extender)	Size 675 battery
				Custom hard earmould (Regular sound bore)	DEX connectivity
		Wired RITE SP	Custom soft earmould (Regular sound bore)	Wireless fitting	
				Classic program	
				Audibility Extender	
				WeatherCover	

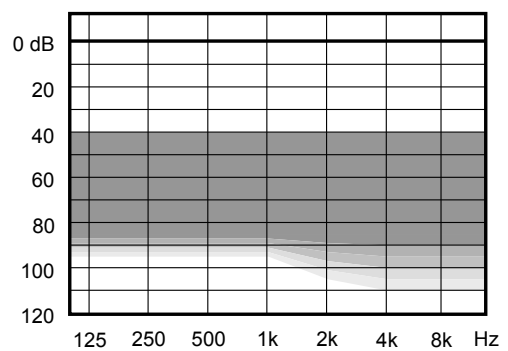
RITE SP



SUPER with RITE SP-receiver

- RITE (receiver-in-the-ear) model
- Recommended for severe to profound hearing loss
- Super power sound in a compact and user-friendly design

RIC P



SUPER with RIC P-receiver

- RIC (receiver-in-canal) model
- Recommended for moderate to severe hearing loss
- User-friendly design with long lasting battery

FEATURES

System platform		S4-VS	S2-VS
C-ISP platform		•	•
WidexLink		•	•
InterEar (IE)	Feature coordination	•	•
	System synchronisation	•	•
	Partner monitor	•	
EcoTech III		•	•
Bands/Channels			
Analysis bands		15	5
Processing channels		15	5
Signal processing			
Compression	EDRC	•	•
	IE TruSound Compression	•	
	TruSound Softener	•	
Adaptive directionality	HD Locator	•	•
	Digital Pinna	•	
	FreeFocus	•	•
Noise reduction	IE Speech Enhancer	•	
	Noise Reduction with SIS	•	•
Feedback Cancelling	IE Feedback Cancelling	•	•
Audibility/Output Extender	Audibility Extender	•	•
	Output Extender	•	•
Enhanced sound quality	3D TruSound	•	
	Nano-coated WeatherCover	•	•
User feedback and control			
Acoustic indicators	SmartSpeak	•	•
	SmartTone	•	•
	IE Partner Alarm	•	
	Battery alarm	•	•
LED		•	•
IE volume control		•	•
IE program shift		•	•
Selected inputs			
IE Zen		•	Optional
IE Zen timer		•	Optional
Audio transmission			
WidexLink audio transmission		•	•
Telecoil		•	•
Listening programs			
Acoustic program options		5 Zen+ or Phone+	3 Zen+ (optional) or Phone+
Accessories			
RC-DEX, M-DEX and TV-DEX		•	•

AUDIBILITY ABOVE ALL

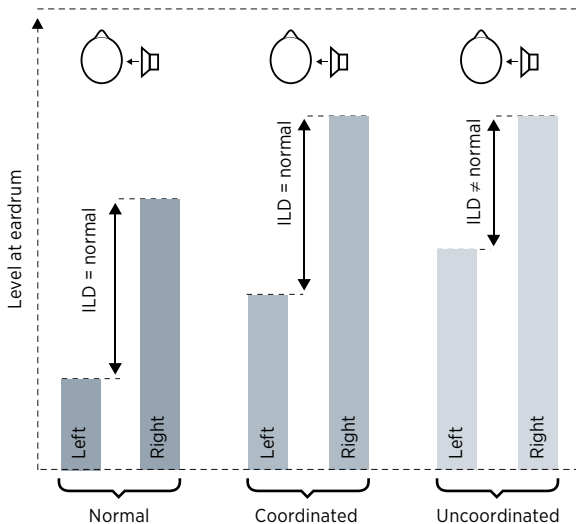
Many users with severe to profound hearing loss have never been exposed to a three-dimensional soundscape before and are reliant on visual cues to help them. Simply determining if someone is approaching from in front or behind has not been possible; in effect, directionality is new to them. But sensing the direction of sound sources for example, is vital if hearing aid users are to enjoy better hearing.

As a first for this type of hearing aid, WIDEX SUPER features a range of technological advances that provide people with the cues normally used to localise sounds.*

Sensing direction

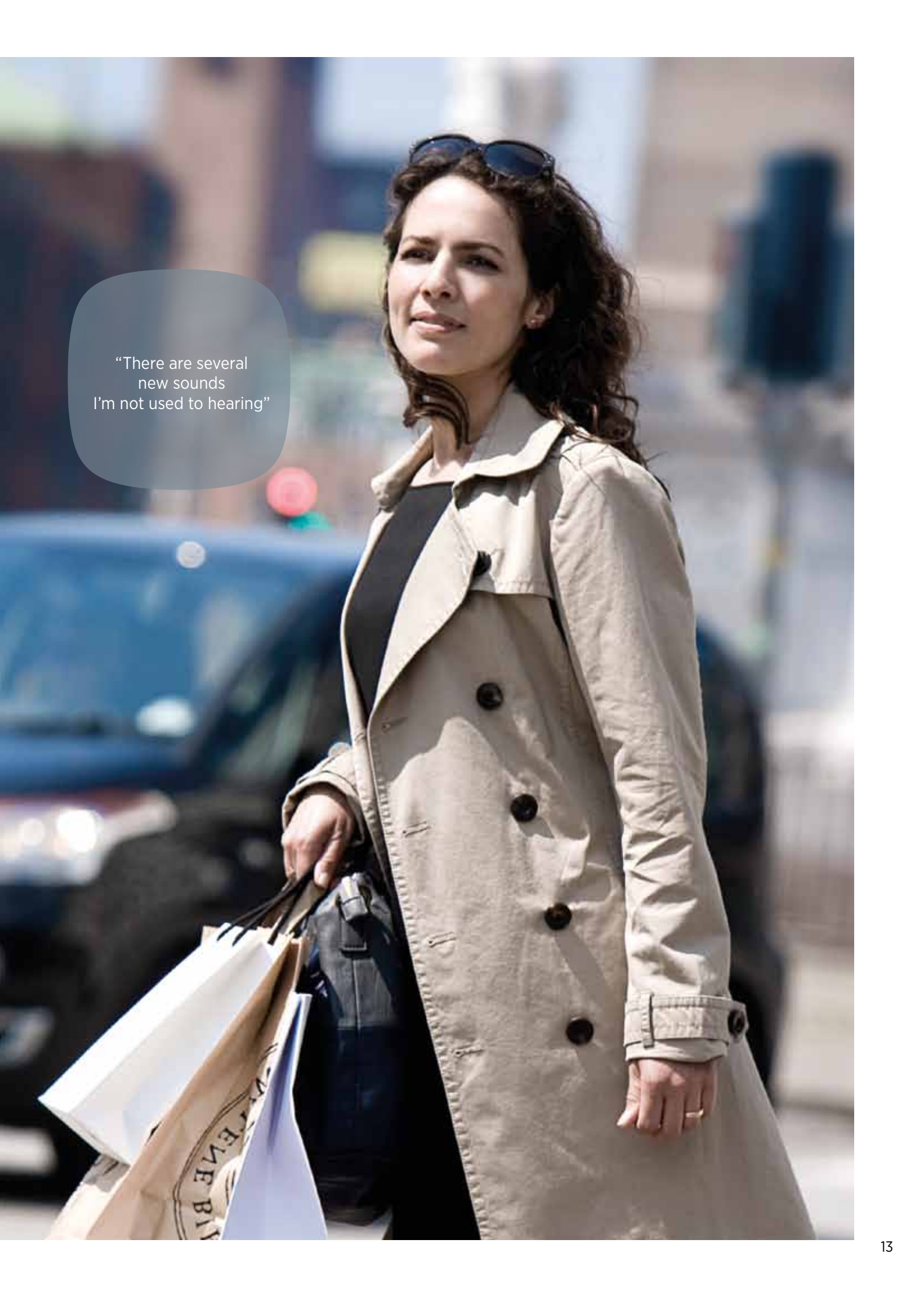
The unique InterEar TruSound compression system in WIDEX SUPER supports the accurate localisation of speech and environmental sounds.

By exchanging data between hearing aids, the IE TruSound compression system can coordinate and optimise the change in gain in both ears so that the interaural level difference is not compromised – important for determining the direction of sounds.



InterEar TruSound Compression

The InterEar TruSound compression system in SUPER coordinates the amplification of sound in the left and right hearing aid, preserving the natural Interaural Level Difference (ILD).

A woman with dark, curly hair and sunglasses on her head is walking on a city street. She is wearing a light-colored, double-breasted trench coat over a dark top. She is carrying several shopping bags, including a white one and a brown one with the text "NE BIA" visible. The background is a blurred city street with a blue car and buildings.

“There are several
new sounds
I’m not used to hearing”

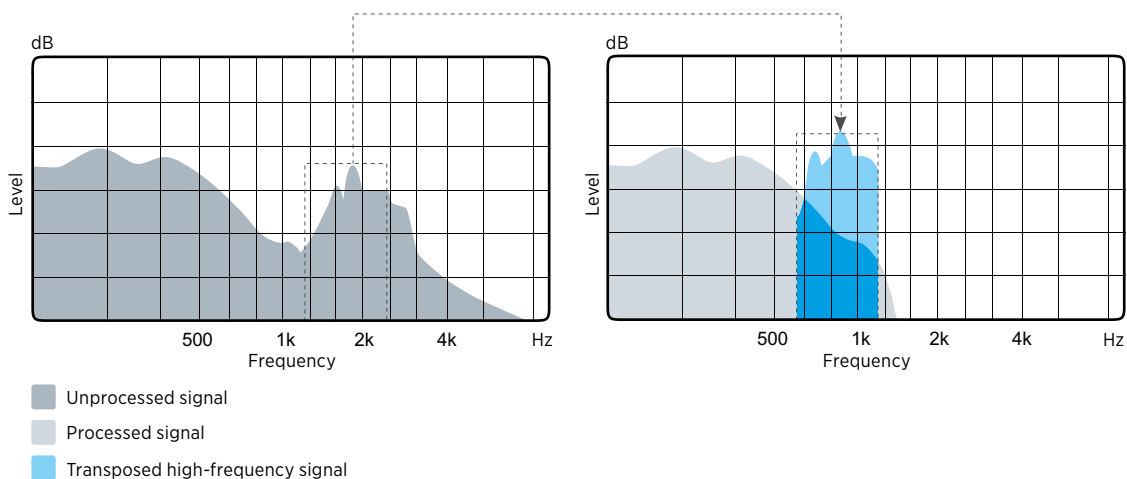
THE POWER **TO HEAR MORE**





Audibility Extender

The Audibility Extender uses linear frequency transposition to expand the range of audible sounds by moving inaudible sounds – like high-frequency speech and environmental sounds – down to lower frequencies where they can be heard.



We believe that audibility is the key to a successful hearing aid. This may sound obvious, but no matter how good the technology, the ultimate goal is to provide better hearing for hearing aid users. They should have access to all sounds, not just speech or loud sounds, but soft sounds too – and without feedback.

This is also true of users with severe to profound hearing loss. While powerful amplification is important, more power does not always provide more hearing. Audibility is vital.

WIDEX SUPER provides access to sounds that would otherwise be inaudible to them, combining powerful performance with high-quality, natural sound – the Widex Sound.

Improving speech perception

WIDEX SUPER is the only super-power hearing aid to feature proven technology such as the Audibility Extender.

This gives users access to high-frequency sounds. Studies show that using hearing aids with the Audibility Extender can increase speech intelligibility by improving the user's perception of high-frequency consonants, leading to better language understanding and communication.^{1 2 3 4}

1. Gou J, Smith J, Valero J & Rubio I (2011). The effect of frequency transposition on speech perception in adolescents and young adults with profound hearing loss. *Deafness and Education International*, 13(1), 17-33.
 2. Auriemmo J, Kuk F, Stenger P (2008). Criteria for evaluating performance of linear frequency transposition in children. *Hearing Journal*, 61(4), 50-54.

3. Auriemmo J, Kuk F, Lau C, Marshall S, Thiele N, Pikora M, Quick D, Stenger P (2009). Effect of linear frequency transposition on speech recognition and production of school-aged children. *Journal of the American Academy of Audiology*, 20(5).
 4. Smith J, Dann M, Brown M (2009). An evaluation of frequency transposition for hearing-impaired school-age children. *Deafness and Education International*, 11 (2), 62-82.

IMPROVING SPEECH IN NOISE

Handling feedback, minimising whistling

The high amount of gain in super power fittings demands a precise and well functioning feedback cancelling system to prevent the hearing aid from whistling.

The **IE Feedback Cancelling** system in WIDEX SUPER doesn't just minimise whistling but also distinguishes between feedback and external sounds so that only feedback is handled.

For example, when an external feedback sound is detected by WIDEX SUPER, the InterEar coordination between the hearing aids compares sound coming into both hearing aids. If a feedback-like signal is the same on both sides, it can be deducted with great certainty that it is an external sound rather than a feedback signal which has been detected. However, if a feedback-like signal is only found on one side, the system will deduct that it is feedback which needs to be handled. So unnecessary gain regulation is avoided, and audibility and sound quality are maintained.

Improving speech in noise

Communicating in a noisy environment is one of the most challenging situations for any hearing aid users, but for users with severe to profound hearing loss (with a very limited hearing ability as well as decreased frequency resolution) hearing in noise can be even more challenging.

The **IE Speech Enhancer** in WIDEX SUPER contains a proven, fast-acting mechanism which is able to add gain to frequency areas with speech and lift speech sounds above hearing threshold level. So users can focus on who is speaking in a noisy environment.

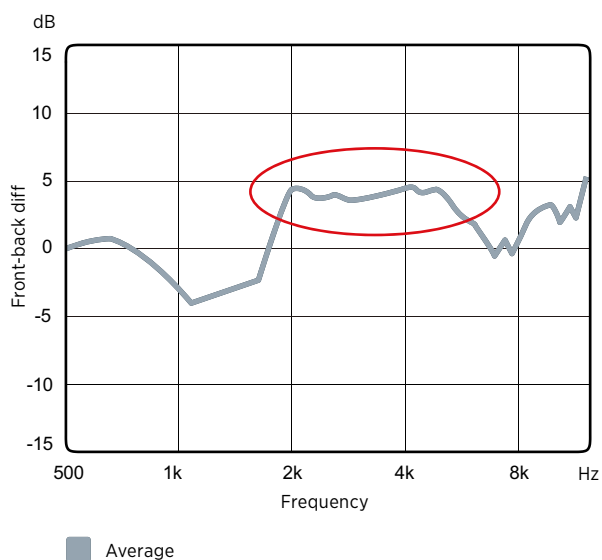
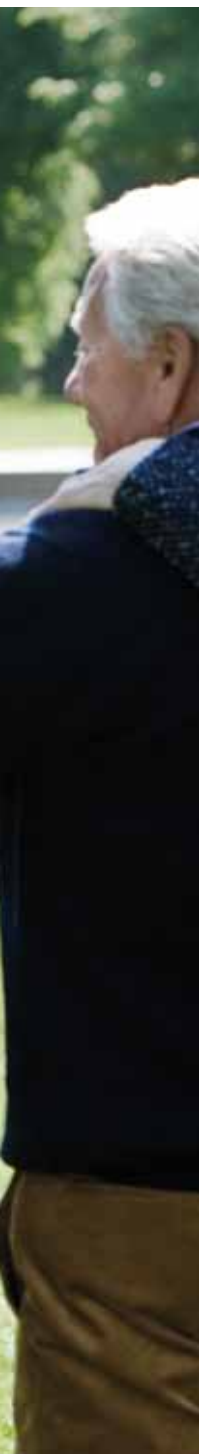




"My friends
in the sailing club are
amazed how well
I can follow
their conversations
at the club"

ORIENTATION OF SOUND





Pinna effect

The average shadow effect of the pinna. Sounds coming from the front are 3-4 dB louder than sounds coming from the back.

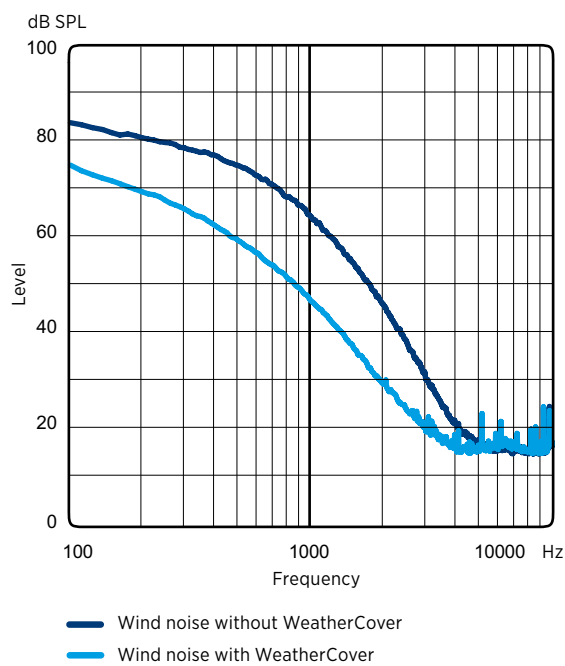
Better orientation

For many BTE users, it can be difficult to determine whether a sound is coming from the front or from behind because their hearing aid can disturb the natural pinna shadow effect created by the outer ear.

The HD Locator in WIDEX SUPER features a Digital Pinna that compensates for this and recreates the natural shadowing effect of approximately 4 dB. For users who have had difficulty orienting themselves when wearing traditional BTE's, the Digital Pinna is particularly useful.

ALL DAY
ALL **WEATHER**
ALL THE TIME





WeatherCover effect

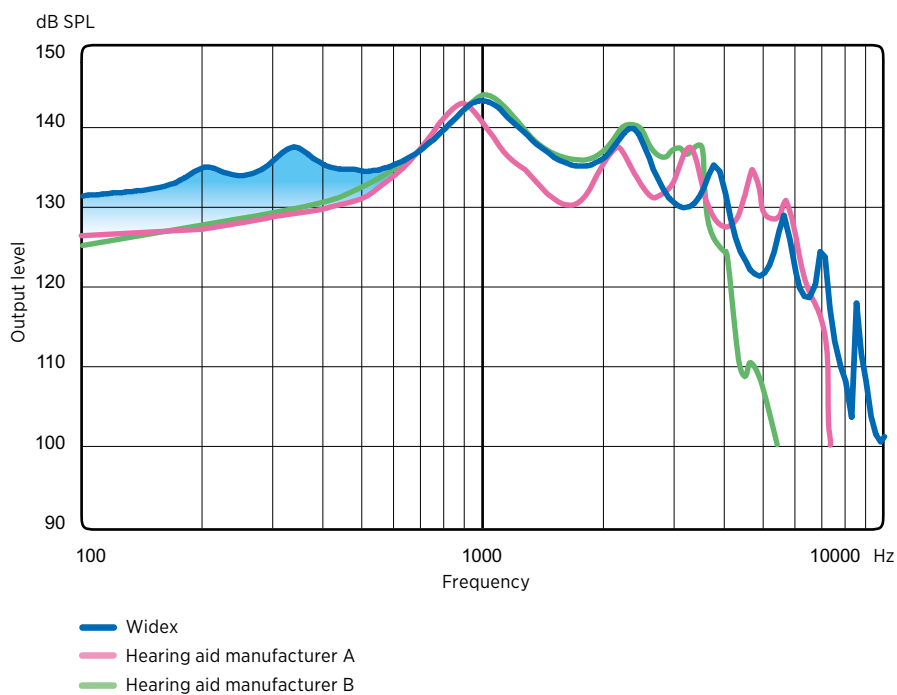
This figure shows the wind noise reduction achieved with the WeatherCover.

Users with severe to profound hearing loss are totally dependent upon their hearing aids, and need to wear them all day long no matter where or whatever the weather.

WIDEX SUPER is the only super power hearing aid to feature the unique, patent-pending WeatherCover. Enhanced by nano-coating, it protects the hearing aid microphones from moisture and ensures a reduction in wind noise of up to 18 dB SPL.

SUPER POWER SUPER **SMALL**





Output Extender
SUPER provides more output in the lower frequencies than other super power hearing aids from leading manufacturers.

No longer need users with severe to profound hearing loss feel uncomfortable when using hearing aids. As a super power RITE, WIDEX SUPER is designed to be elegant, discreet and powerful – all without compromising sound quality.

To acquire this extraordinary power in such a small housing, we have developed a special sound bore called the **Output Extender***. It increases the maximum output in the lower frequencies and shifts the most prominent resonance peak to around 1 kHz. This provides sound quality resembling a traditional BTE.

And compared to other high-end super power hearing aids, SUPER offers unparalleled output in those low frequencies which are so important for users with severe to profound hearing loss.

Super battery

Even though SUPER is one of the smallest hearing aids available, there is still room for a long-life 675 battery. This means more power for longer periods and gives the user more security to use their hearing aid without interruption.

* Output Extender available in the custom hard earmould only

SUPER PROGRAMS

Classic program

The Classic program lets users hear the sound they are familiar with. Designed to imitate a traditional super power hearing aid, the Classic program helps them get used to the sound of SUPER in their own time.

Phone+

Using our unique WidexLink technology, Phone+ transmits phone signals wirelessly between hearing aids. This means that users can hear both landline and mobile calls in real time directly in both hearing aids. With Phone+, when sound is transmitted from one hearing aid to the other, the microphones in the receiving hearing aid then switch off so that users can concentrate without background noise.

Zen+.

Zen plays random harmonic tones that aid relaxation and stress reduction as well as improve concentration. In fact, not only is Zen proven to help in relaxation but it can also help reduce the effects of tinnitus.

The Zen+ program allows the user to toggle between up to three different Zen styles.

FOR MORE INFORMATION VISIT
WWW.WIDEX.PRO

At Widex we know that hearing loss is complicated. Every case is individual; every solution unique.

By focusing on technology, design and the environment, we strive to find not only the right solution, but also the **most natural sound** for hearing aid users.

