# WHAT'S THE BIG DEAL TO T-COIL OR THERE'S AN APP FOR NOT SEEING IS BELIEVING: WITH WIRELESS? NOT TO T-COIL THAT... HEARING AID INVISIBLE HEARING Consumer's Guide To HEARING AIDS

The World's Independent Source of Hearing Aid Comparisons

\$8.50 AUD





Smart Phone Integration



Self Learning Micro RICs



Innovative Designs



Improved Sound



Longer Battery Life

Your local hearing Audiologist is dedicated to helping you and your family hear and understand better. They take great pride in offering you the widest selection of hearing aid brands, shell styles and technologies.

You are cordially invited to call today for a hearing check-up. This is the first step in overcoming a hearing problem. On your visit, you will find a staff member that is knowledgeable regarding all types of clinical hearing conditions. They will be happy to answer any questions you may have, without pressure or obligation to buy.

You will also find a facility equipped with the newest hearing evaluation technology. For you, this means a prescription for a hearing aid circuit which is custom-programmed to your hearing problem.

This book, the Consumer's Guide to Hearing Aids, categorises hearing aids according to the different levels of technology (see Pyramid of Technology on page 3), ranging from products on the lower end of the price spectrum which use entry level digital electronics, to products that cost more and use the newest premium digital technologies. Prices shown are MRRP averages and will fluctuate depending on the region in which you live.



If you are concerned about your heaing, Please accept this offer to have your hearing checked.

<b>29</b> Get in the	<b>22</b> Invisible
Clarity Loop	Hearing Aid
With T-Coils	Comparisons

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This publication receives no funding from hearing aid manufacturers or component manufacturers. The information provided in this Guide is designed to support, not replace, the relationship that exists between the patient and the hearing care professional.

# **Connect** Hearing C

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Exclusive Australian Distributor of the 2017 Consumer's Guide to Hearing Aids



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### On the Cover



A. Starkey - Halo 2 B. Phonak- Audéo B-R E. Rexton - Emerald C. Bernafon - Juna 9

D. Unitron - Moxi Fit F. Persona - Olé 2125

If you know what to expect, you'll be free to enjoy the improvements that hearing aids can make in your life.

#### Hearing aids should prevent normally loud sounds from becoming uncomfortable.

• Depending on the degree and severity of your loss, hearing aids may allow you to hear speech more clearly in some noisy situations.

• You'll need time to get used to your new hearing aids and to learn how to achieve maximum performance from them. You should expect to return to your hearing professional for sound quality adjustments.

• With properly programmed hearing aids, you should be able to hear many normal sounds that you may not otherwise be able to hear clearly, such as the voice of your client or the words of a loved one. You may also begin to hear sounds you have forgotten were a part of your world, such as the hum of the motor on your refrigerator or the buzz of your fluorescent lights.

• Hearing aids will not restore your hearing to normal. Science has not been able to match the human hearing mechanism.



Hearing aids might not have super powers...

Take a moment to go through this checklist of signs that you may need hearing aids.

- Your hearing frustrates you when you converse with family or friends.
- Your spouse tells you he or she often has to repeat what he or she has said.
- Your hearing problem has ever caused you embarrassment.
- You have difficulty hearing the television or radio at a normal volume level.
- You feel that hearing difficulties hinder your social life.
- You attend religious services or group activities less often because of your hearing problem.
- It is difficult for you to hear or understand when someone speaks to you in a whisper.
- Your hearing creates difficulties when you visit a restaurant with friends or family.
- You have ringing in your ears (tinnitus) that will not subside.

# What to Hearing Aids

If your hearing loss has progressed to the degree that you need hearing aids, a critical factor in their success is your understanding and acceptance of realistic expectations of their capabilities. Hearing instruments, regardless of brand or type of technology, can never replace normal hearing in all listening situations. Here are some guidelines which should help you and your provider agree on a set of realistic expectations for you.

• The extent to which the lost hearing function can be restored through amplification is based on the severity and duration of your hearing loss. The degree and extent of hearing loss is determined using calibrated equipment called an audiometer.

#### • The more severe your hearing loss, the more sophisticated the hearing aid must be to enable you to hear more clearly.

• Crowded social gatherings and restaurants are examples of noisy conditions where even a person with "normal hearing" has trouble hearing conversation. As a person's hearing deteriorates, so also does the ability of a hearing aid to correct for hearing loss in these types of situations. Your provider's goal is to select an appropriate circuit

for your hearing aid that will deliver a natural loudness throughout your entire listening range without getting too loud or too quiet.

• In difficult listening situations normal hearing listeners rely on speech reading cues and focus their attention on the speaker. These listening skills are even more important for the hearing aid user when faced with these circumstances.

• In quiet, many hearing aid users can achieve a performance level equal to normal hearing. But as the difficulty of the listening task increases, the gap between a person with normal hearing and a person with hearing loss widens. The more severe the hearing loss, the wider the gap.

 Hearing aids will not "filter out" background noise, despite some advertising claims. Some hearing aids have circuitry and directional microphones that will avoid boosting the volume of some types of background noise, but this may also remove some of the speech you want to hear. This is usually a benefit, however, providing a more comfortable listening experience and better sound quality in some types of noisy situations.

- Hearing aids should allow you to understand speech more clearly, with less effort, in a variety of listening situations.
- Hearing aids should keep others from noticing your hearing loss.
- We have the same goal as you: to help you attain the best possible hearing improvement. We use the best testing equipment science has to offer and dispense hearing aids from many different manufacturers. We pledge to do our best to meet a set of mutually agreed-upon objectives and expectations.

# but they can still make a huge difference in your life.

# Hearing Aids: F.A.Q.s

#### Q. Two of my friends wear hearing aids that look the same, but each friend paid a different amount. Their hearing aids came from the same provider. Why are the prices different?

**A.** Hearing aid shells look alike, but it's the circuit inside that you are paying for. The least expensive circuits are Entry Level Digital; the moderately priced hearing aids are Basic Digital; the most expensive circuits are Advanced Digital and Premium Digital. When you accept the clinician's recommendation for technology in the Advanced or Premium categories, you are giving your clinician the tools needed to manage your hearing for several years. These hearing aids can be reprogrammed for your hearing loss as it changes.

#### Q. What causes hearing loss?

**A.** The majority of hearing losses are a result of aging. Other possible causes are prolonged exposure to loud noises, heredity, certain illnesses, and medications. However, the most common form of hearing loss is called "nerve deafness." This comes about as a result of the fact that the cochlea (inner ear) and auditory nerves do not properly transmit their signals to the brain.

## Q. Will my hearing aid amplify loud sounds and damage my hearing further?

**A.** Your hearing aid will be pre-set to a safe level of maximum amplification. However, keep in mind that you may have to re-accustom yourself to loud startling sounds as they are amplified by your hearing aid.

#### Q. How do hearing aids work?

A. Hearing aids fill the gap created by a hearing loss by receiving and amplifying sound. While there are many different types of hearing aid technology, four basic components are common to them all: (1) a microphone, which receives sound and translates it into electrical impulses; (2) an amplifier, which makes those electrical impulses stronger; (3) a receiver (speaker), which translates those now stronger impulses into louder sounds; and (4) a battery, which serves as a power source for the whole system. Hearing aids vary widely in their styles, sizes, and levels of circuit technology. The professional who provided this book will help you choose the hearing aid style and circuitry that is right for your hearing loss and lifestyle.



# Q. What should I do if I or a loved one has a hearing loss?

A. The first step should be a professional hearing examination conducted by an otolaryngologist (ear nose throat physician), audiologist, (doctor of audiology) or hearing aid dispenser (clinician). This will help to determine the level and type of your hearing loss. The proper treatment with either medical attention or a hearing aid will be recommended. With today's modern technology many hearing losses can be successfully corrected with a hearing aid. However, only about one-fourth of those people who could benefit from the use of a hearing aid actually do so.

## **Q**. What is the difference in various hearing aid circuits?

**A.** The conventional Class A circuit amplifies each sound equally, while the other types of circuits automatically manage loud sounds and quiet sounds in different ways. The goal of Advanced and Premium digital circuits is to deliver a natural loudness throughout your entire listening range without under-amplifying or over-amplifying the sound.

#### Q. How common is hearing loss?

**A.** One of every six Australians has some degree of hearing loss. For those aged 60 or older, the ratio is almost one in two.

# Q. What sort of changes and adaptations are necessary with a hearing aid?

**A.** First, you need to understand that it is not possible for a hearing aid to completely restore your hearing. What it can do is enhance sound and

thus, allow you to hear better. Since hearing loss is gradual, over the years you may have become unaccustomed to normal environmental sounds such as traffic noise, the hum of a refrigerator or air conditioner, nature sounds, or background conversation.

Therefore, when you begin to wear hearing aids, it is necessary to re-educate your brain to practice selective listening and learn once again to choose only those sounds which you wish to hear and ignore the rest. It is important that you wear your hearing aids as much as possible. This is the best way for you to get used to them and the way that they work. This also helps you to become more skilled at recognizing sound direction, learning what hearing aid settings work best in different situations, and using visual clues in difficult hearing environments.

Patience is the key. Your friends and family can be very helpful in the whole process. Encourage them to speak to you in a normal voice without over enunciating or over emphasizing their lip movements. These people can be very helpful to you as you become accustomed to your new hearing instruments. If for some reason you continue to find the adjustment to be difficult, your hearing professional will be happy to answer any questions which you may have and help you solve any of your hearing-related problems.

#### Q. What is the best brand of hearing aid?

**A.** There are approximately 22 worldwide hearing aid manufacturers, each producing exceptional quality products. Which brand is right for you is determined by the results of your audiogram, your lifestyle, your cosmetic requirements and your dexterity. Your hearing professional will select the brand only after selecting the type of circuit best for your individual hearing loss as indicated by your audiogram.

#### Q. How does hearing loss affect individuals?

**A.** While each hearing loss is unique, most people share common results from their loss. They often feel isolated from their surroundings. It is often more difficult to meet new people or face new environments. They often complain of appearing incompetent or feeling insecure. Recent studies

#### suggest a link between hearing loss and dementia.

# Q. What about the complaints I have heard about hearing aids?

**A.** It is true that there are several concerns that are sometimes mentioned by hearing aid users. Here are three of the most common.

#### "My own voice sounds strange."

Hearing aids amplify some or all sounds. This includes the sound of your own voice. With time and use, this should become less noticeable, but if this bothers you, see your hearing professional who can address this problem.

## "I have a problem with whistling sounds or feedback."

There are several common causes of this problem, all of which are easily solved. First, your hearing aid may fit too loosely. This allows the amplified sound to escape from your ear and be picked up again by the microphone, thus resulting in feedback. Second, some feedback happens when you are standing too close to a surface that reflects sound, such as a wall. Finally, many feedback problems are simply the result of a hearing aid's volume control being turned up too high. Most feedback problems can be easily remedied by the user. However, if you continue to have a consistent problem with feedback, take your hearing aids in for a check-up.

#### "I feel pressure in my ear."

Sometimes, excess air can become trapped between your eardrum and the hearing aid. If this feeling persists, your hearing professional can vent your hearing aid to alleviate the problem.

#### Q. I'm worried how my hearing aid will look. What type of hearing aid should I get?

**A.** Most hearing aids on the market today are created to be minimally visible. The type of hearing aid that you buy should be based upon your hearing loss, your dexterity, and your lifestyle. Even if your clinician advises that IIC or CIC models are not right for you, it's virtually impossible to notice the RIC and mini RIC models. *To learn more about hearing aid shell styles, see our article on page 8.* 

Real Ear Measurement measures and records your hearing aids' performance while you are wearing them to verify an exact prescription!

BONUS

FAO!

# Hearing Aid Shell Styles



### Behind-the-ear (BTE) and mini behind-the-ear (mBTE)

In BTEs, the receiver, microphone and amplifier are housed in a shell behind the ear. A clear plastic tube connects the shell to a custom ear mould in the ear. A larger shell size allows BTEs to hold more circuitry than other styles. Also, they can be fitted for a wide range of hearing losses, and they tend to be very durable. The mini version of a BTE is simply smaller than traditional BTEs.



#### Receiver-in-canal (RIC) and mini receiver-in-canal (mRIC)

RICs are similar to BTEs in that the shell fits behind the ear, but RICs are smaller and less noticeable. They have a transmission wire that connects the shell to the receiver, which is housed in a custom ear mould or dome-shaped ear bud. This allows for better sound control than a BTE.



#### In-the-ear (ITE)

ITE hearing aids are custom ear moulds with circuitry built in that fill most of the visible portion of the ear. ITEs are best suited for mild to moderately severe hearing losses. ITEs are ideal for those with limited dexterity because of their size and easy-to-use controls.



### In-the-canal (ITC)

ITC custom-fit hearing aids are smaller than ITEs and are partially visible in the outer ear. ITC devices are best for mild to moderate losses but can be used by some patients with moderately severe losses.





#### Completely-in-the-canal (CIC)

CIC custom-fit devices fit all the way in the ear canal. They are rarely visible and are therefore cosmetically appealing. Some hearing aid wearers with narrow ear canals may not be candidates for CICs. These tiny hearing instruments are most suitable for mild to moderate losses.

### Invisible-in-canal (IIC)

IIC custom-fit devices are similar to a CIC, except they fit deeper within the ear canal. They are not visible at all when worn. Like the CIC, some hearing aid wearers with narrow ear canals may not be candidates for IICs. These tiny devices lower the chances of sound distortion by being positioned closer to the ear drum.

# **Digital Hearing Aids**

Important Questions To Ask About **Digital Hearing** Instruments

How many channels does it have? How many do I need?

What type of Automatic Signal Processing compression does it use, and what type would best suit my current lifestyle?

2 Does it offer directional microphones for hearing in noise?

Does it have wireless capability? Do my listening situations indicate I would benefit from hearing aids with wireless compatibility?

5 How many memo-ries does it have? How many various listening situations do l encounter?

Does it come with  $\bigcirc$ Bluetooth or t-coil? Do I need these wireless features?

Fully digital hearing aids process sound mathematically. In place of electronic components, digital hearing aids contain hundreds of tiny electrical parts which are micro-manufactured into a single silicon chip. The computer programmed chip applies continuous digital processing to incoming sound. Here's how these digital hearing aids work:

Five Step Guide: **How Digital** Hearing Aids Work

The electrical signal goes to the analog-to-digital converter, which changes it to a digital signal to be manipulated by the hearing aid's computer (DSP chip).

### User Benefits For Digital Hearing Aids

- different sound qualities.

The hearing aid microphone turns sound into an electrical signal.

A filter removes inaudible frequencies.

The chip is programmed to perform many operations (noise reduction, filtering, feedback cancellation, etc.) depending on the algorithm used.

The digital signal is converted back into audible sound for the patient to hear. These functions are performed instantly and continually.

• Availability of Automatic Signal Processing circuits which are not available with non-programmable instruments.

• Multiple circuit options within a single instrument which achieve

• Automatically achieves more volume for the soft, high frequency sounds and less volume for the more intense, low frequency sounds.

• Capable of retaining the patient's complete audiometric file and preferred listening program for various environments.

• Ability to readjust your prescription should your hearing loss change.

### ENTRY LEVEL COMPARISONS

	KEY						Signal Pro	cessin	g			Aut	omat	ic Sig	nal Pi	roces	sing		C	Commur	ication					
	Standard			Mem	ories	/	Compress	ion	Direc	tional			Noise	5	Fe	edba	ick			Wire	eless	Tele	coil	Cro	os/	
О	Available			Situa	tions		Characteri	stics	Micro	ohones		Mar	nagen	nent	Mar	nagen	nent			Compa	atibility	·ere		BiC	ros	
А	RIC												ъ	=		S	Ada			Ę						
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AUDI	FON																									
Sino		A,B	0	4	-		9	•	Manual		-	•			-		-	В					•			
Sino		C,D,E		4	О		9		Manual		•	•			•		•						0			
Arriva		В	0	2	-		4/8	•							•		•	0 (M,S+)					•			
Arriva		C,D,E		4	0			•							•		•						0			
Avero		В	0	2	-		2/2	•									•	0 (M,S+)					•			
Avero		C,D,E		1			2/2	•									•						0			
Vico tr	t Combi*	В	0	3	-		4/8	•				•			•		•	0 (P,S+)					•			
Vico tr	t Combi*	C,D,E		3	0		4/8	•				•			•		•						0			
Sueno	(Noiser)*	В	0	1	-																					
Sueno	(Noiser)*	E		1																						
AUDII	NA																									
SIMPL	EX FC	C,D,E		2	О		2	•								•	•		0			0	0			
SIMPL	EX	B,C,D,E		2	О		2	•											0			0	0			
SIMPL	EX 2P	В		4	•		2	•																		
SIMPL	EX 2	В		2	-		2	•								•										
OPTI-T	RIM®	В		2	•		2	•															•			
BTE 47	8	В		2	-		1	•															•			
BTE 47	'8P	В		3	•		2	•						•		•							•			
InstaFl	IT® SIMPLEX FC	E		1			2	•								•	•									
BELTO	DNE				-																					
Origin	3	A,B,C,D,E	0	3	0		6	•	Both	•	-	•	•	•			•	0				0	0	0		
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lurn	4501	В	0	2 or 4	-		6	-				-			-			0					0	0		
BERN	AFUN	DCDC	0	2	-		N/A	-	A		-	-	-				-	0					0			
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налс	ATON		•	+	-	•	N/A	-	Automatic	-	-	-	-				-	•		•			•			
Beat 3	, non	В		4	-	0	8		Automatic											0						
Flow 2		В	0	4		-	4		Automatic		-		-													
Flow 1		В	-	2	-		2		Omni																	
MIRA	CLE EAR																									
ME227	75	F	0	4			16		Automatic									0					0			
PERS	ONA																									
Claret	320	В		4			2																			
Claret	330	В		2 or 3			2	-				-	•				-			-			•			
Claret	360	В		2	-		2	-				-	-	-		-							-			
Claret	300	C,D,E		4	0		2		Manual		0	-	•	•			-			0		0	0			

KEY						Signal Proc	essing	9			Aut	omat	tic Sig	inal P	roces	sing		C	ommur	nication					
■ Standard			Mem	ories/	/	Compress	sion	Direct	ional			Noise	е .	Fe	edba	ick			Wire	eless	Tele	coil	Cro	os/	
O Available			Situa	ations		Characteri	stics	містор	none	s	iviar	nager	nent	iviar	ager	nent			Compa	atibility			BICI	ros	[
A RIC												A	Ξ		st	Adap			井						
B BTE											⊳	ctive	puls		atic F	tive F			roug						Ţ,
C CIC							Limit	Auto			ctive	Spee	e Sou		eedk	eedk	D	R	h Inte						ar-to-
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F All Styles	Sty	ben	lumb	Butte	Remo	hanne	ressi	Manu	dapti	Ŧ	ducti	ceme	geme	ducti	ellati	ellati	o Inp	grati	Devi	Built	toma	Manu	Win	ר-Win	ional
Model	le	Ŧ	ber	on	ote	els	n	ual	Ve	ed	on	nt	nt	n	n	on	Ĕ	n	Ce	5	tic	Jal	ed	ed	it
PHONAK																									
Audéo B30-10	A	•	2	•	0	8	•	Automatic	•		-	•				•			•					•	•
Audéo B30-312T	A	•	2	•	0	8	•	Automatic	•		-	-				•					-	-			•
Audéo B30-13	A		2	•	0	8	•	Automatic	•		•	•				•	•	•	-		•	•		•	•
Bolero V30-M/P/SP	В	0	2		0	8		Automatic	-		-	-				-								-	•
Virto V30-10	ſ		2		0	8		Automatic	-		-	-				-			-		0	0		-	-
VIPTO V30-312	E		2		0	ð		Automatic	-		-	-				-			-		-	-		-	-
	P	0	2		0	ð 0	-	Automatic	-		-	-				-	-	-	-		-	-		-	-
REXTON	D	0	2	-	9	0		Automatic	-		-	-				-	-	-	-		-	-			
Emerald 30	A	0	4		0	16		Automatic			-						0	0	0			0			
Sterling 30	C.D.E		4	0	0	16		Automatic			-						•	-	0		0	0			
Sterling 20	C.D.E		4	0	-	12		Manual											-		-	0			
Joy 30	В	0	4		0	16	•	Automatic											0			0			
Joy 20	В	0	4	•		12	•	Manual														0			
SIGNIA/SIEMENS																									
Sirion 2	B,C,D,E	0	4	•	0	12	•	Manual		0	-	•					0	0				0			
Orion 2	F	0	4	•	0	16	•	Automatic		•	-	•					0	0	0			0			
SONIC																									
Charm 40	F	0	3	•		N/A	•	Automatic		•	-	•				•	0					0			
Cheer 40	F	0	4	•	0	N/A	•	Automatic	•	•	-	•				•	О		0		0	0			О
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Journey 40	В		4	•	0	N/A	•	Automatic	•	•	•	•				•	0	0	0			0			0
UNITRON																									
Moxi Fit 500	A	0	4	•	0	6	•	Both	•	•	-	•	•		•	•			•		•	•			•
Moxi Kiss 500	A	0	4	_	0	6	•	Both	•		-	•	•		•						_	_			•
Moxi Dura 500	A	0	4		0	6	-	Both	-	-	-	-	-		-	-	0		-						-
Stride Sou	B,C,D,E	0	4	-	U	0		Both	-		-	-	-		-	-	0		-		0	0			-
Unique 110 Fashion	R		3	-	0	Д		Automatic	-		-		-			-			0			-		-	-
Unique 110 Fashion Power	B	-	3		0	4		Automatic	-		-		-			-			0			-		-	-
Unique 110 Fashion Mini	В		3		0	4		Automatic											0						
Unique 110 Fusion	A		3		0	4	-	Automatic											0						-
Unique 110 Passion	A		3		0	4		Automatic	-				-						0						
Unique 110 In-the-Ear	D,E		3		0	4	-	Automatic	-				-						0			•			
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 $\ensuremath{^*\!\textsc{Optional}}\xspace$  Tinnitus Sound Generator for patients with tinnitus

### ENTRY LEVEL COMPARISONS

# Consumers' Choice!

### Why do you hear better with two ears?







Your eyes aren't deceiving you. If the latest hearing aids look too cool to be hearing aids, that's because the hearing aid industry is emphasizing sound quality and cosmetic appeal like never before. An entirely new class of svelte hearing aids is being created called Receiver-in-Canal (RIC). These instruments are virtually unnoticeable when worn. They are unique because of a very smart engineering design with remarkable results: the separation of the receiver (speaker) from the rest of the hearing aid. The ultra-slim computer processor is worn hidden in the hairline just behind the ear. The receiver rests in the ear canal, secured by a vented silicon tip or in a custom ear mould. A hair-thin transmission wire, not a tube, connects the two. The popularity of RIC instruments has spread quickly by word-of-mouth among Baby Boomers, who in turn are telling their parents ... who in turn are telling their friends. Here's why:





Audibel - A4







**More Efficient:** The receiver is already near your eardrum, so sound doesn't have to travel through tubed plumbing to reach its target. Because of this, less power (volume) is needed.

Size & Technology: The space available in a tiny, hidden-when-worn RIC is still greater than a completely-in-canal model, allowing needed space for better digital processing features such as adaptive directional microphones, noise reduction and feedback cancellation. Some models offer FM, Bluetooth, or telecoil for listening wirelessly in public spaces or to devices like TVs, phones, and personal music.

Comfort: The fit and feel of a professionally-fit RIC allows most patients to forget they have them on. The piece that is worn behind the ear fits snugly and comfortably for even the most active wearer.

Natural Sound: These instruments are \_designed not to occlude or "plug-up" your ears; instead a thin vented tip holds the receiver in position, allowing natural sound to reach the eardrum unamplified. More natural sound quality overall and improved own-voice quality is possible with RIC instruments.

Reduced Feedback: The increased distance between the microphone and the receiver cuts down on amplified

sound re-entering the microphone, which can result in whistling. More volume can be delivered to the ear without feedback, thereby helping patients with greater hearing losses.

**Repair Easily:** Should the receiver need repair, this modular component Can quickly be replaced by your clinician, usually while you wait. That means less time without your hearing instrument.

Reprogrammable: RIC instruments are flexible and adaptable to changes in hearing loss. They can be reprogrammed by computer at the local hearing aid office to shape the output of the hearing aids should the wearer's hearing change.

**Cosmetics:** RICs are slim, light and beautiful. Instead of a tube, a thin transmission wire slightly larger than a human hair blends with your skin and connects the digital processor with the receiver.

Longer Battery Life: Because RIC instruments have more room for electronics than a completely-in-canal model, there is frequently space for a larger battery, resulting in longer battery life.

Fit-And-Go: These instruments can usually be selected, fit, programmed and worn home the same day for instant hearing improvement.

Photos: Not all manufacturers' RIC products are shown here

Binaural listening: "bi" for two; and "aural" for ears. The human hearing mechanism is the most advanced stereophonic wonder known to man. With all of its amazing accuracy and versatility, it provides the listener with space perception, depth perception and balance.

Hearing does not happen in your ears, it happens in your brain. Your brain requires reliable information from your ears in order to decipher sound. Using just one hearing aid when hearing testresults indicate that two are needed reduces your brain's chances of hearing and understanding by 50 percent, as well as removes your ability to perceive depth and space. Here are seven reasonsto wear two hearing aids if indicated by your hearing test:

> Less power is needed when two hearing aids are worn. When your ears work together, lower volume settings are required for comfortable hearing. You will experience greater efficiency and clarity with two hearing aids as compared to monaural listening. The reduced need for power saves your hearing from being exposed to excessive amplification. The benefits are that loud sounds are more comfortable and listening is less stressful.

Stereo listening gives depth perception. Anyone who has enjoyed music in stereo, compared to mono, knows the difference. Mono makes all sounds seem shallow, flat and unnatural. Your brain has the ability to hear in stereo but to do so requires that sounds be delivered by both ears. Not only are sounds more natural, they can also be understood more clearly.

Detecting sound direction saves embarrassment and saves lives. A one-eared listener is always wondering, "Where is that sound coming from?" when someone speaks. He can also never tell from which direction the screeching automobile is coming, unless he sees it. Hearing with two ears gives you the ability to know sound direction. Binaural listening gives the listener a sense of location and the ability to locate sounds not only horizontally but also vertically, 360 degrees in all directions.

Good manners takes two ears. One-eared listeners may be considered rude because they tend to ignore the speaker on their unaided side. In business and social situations, binaural hearing aids can be your best ally for being the best listener possible.

Give your brain what it needs for auditory intelligence. The two halves of your brain work in harmony to give you an auditory image. Just as your brain converts the two images your two eyes see into a single picture, the same spatial perception happens with your two ears. It is the different signal each ear sends to your brain that makes this perception possible. The ears' sound signals travel up the brain stem via complicated pathways. Some cross over and eventually stimulate the opposite side of the brain. Others stimulate the same side. These complex patterns of stimulation make up auditory intelligence. If the two halves aren't sharing their signals, auditory intelligence is reduced. Binaural hearing aids help the ears get the messages to both sides of the brain, thus

increasing your auditory intelligence.

Two ears hear better in noise. Whenever several people are talking at the same time, such as in a restaurant, it becomes more difficult to understand the one person at the table with you. The one-eared listener hears all of the voices blending together. Voice discrimination in noise is difficult with two ears and becomes impossible with only one. Binaural hearing aids give the best advantage to hearing in noise.

Quality of sound is better quality of life. The majority of hearing aid users who have worn both binaural and monaural hearing aids report a significant difference in sound quality. The vast majority of people who now use binaural hearing aids will tell you that listening with two aided ears is the only way to fully enjoy the 3-D world we live in. The advantages of superior sound over the burden of persistently poor sound should not be underestimated. Seize the opportunity to enhance your listening quality should your test results indicate two hearing aids are needed.



### BASIC LEVEL COMPARISONS

	KEY						Signal Proc	essin	a			Aut	omat	ic Sio	inal P	roces	sina		(	Commur	nication					
	Standard			Mem	ories	/	Compress	ion	Direct	ional			Noise	3	Fe	edba	ick			Wire	eless	<b>T</b> .1.		Cro	os/	
0	Available			Situa	ations		Characteri	stics	Microp	hone	s	Mar	nager	nent	Mar	nager	nent			Compa	atibility	leie	COII	BiC	ros	
А	RIC													_			Ada									
В	BTE												Activ	mpu		Stati	Iptive			hrou						
С	CIC							F	AL			Acti	e Sp	lse S		c Fee	e Fee			ıgh Ir						Ear-t
D	ITE							niting	Itom			ve No	ech	bunc	6	dbac	dbac	Dire	-	Itern						o-Ea
Е	ΙΤС				Fogg			Con	atic c			oise F	Enha	Man	ain F	k Car	k Car	ct Au	-M In	nedia		ъ			z	Fun
F	All Styles		Ope	Nur	le/Bu	Rer	Char	npre	or Ma	Ada	_	Redu	Incer	lager	Redu	ncella	ncella	idio I	tegra	iry De	BC	utor	Ma	<	on-V	ctior
Mode	el	Style	in Fit	nber	Itton	note	nnels	ssion	inual	otive	ixed	ction	nent	nent	ction	ation	ation	nput	ation	evice	iit In	natic	inual	Vired	Vired	hality
AUDI	FON																									-
Kami		A,B	0	4			12		Both									В								
Kami		C,D,E		4	0		12		Both													0	0			
Libra		A,B	0	4			8/16		Both									В					•			
Libra		C,D,E		4	0		8/16		Both													0	0			
Miro		A,B	0	3			4/8		Manual			•						0 (P,S+)					•			
Miro		C,D,E		3	0		4/8		Manual														0			
AUDI	BEL																									
Start	1000 Wireless*	F	0	4	0	0	10		Both				-							•		•				
Start	1200 Wireless*	F	0	4	0	0	12		Both			-	-													
AUDI	NA																									
Intuit	ion® 2ER	C,D,E		4	0		2							•					0	•		0	0			
Intuit	ion® 2FC	B,C,D,E		4	0		2	•						•		•	•	-	0	•		0	0			
Intuit	ion® 2	B,C,D,E		4	0		2	-						-		-		-	0	•		0	0			
ARRO	2	В	•	4	•		2					•		•		•			0				0			
ARRO	2	А	•	4	•		2	•				•		•		•	•		•				•			
InstaF	IT <sup>®</sup> Intuition 2ER	E			•		2	•				•				•										
BELT	ONE																									
Legen	ud 6	F	О	1 or 4	0	0	6	•	Both	•	•	•	-	•			•	О		О	•	0	0	•		
First 6	i	A,B	0	3	•	0	6	•	Both	•	•	•	-	•			•	0		•	•	0	0	•		
Promi	ise 6	F	О	3	О	О	6	-	Both	-	-	-	-	-			•	0		О	•	0	0	-		
True 3		F	0	3	О	0	6	•	Both	•	•	•	-	•			•	О				0	0	-		
Bold 3	3	В		4	•		9	•	Both	•	•	•	•	•			•	О				•	•	•		
Prime	Plus	E	0	1			17	•				•	•	•			•									
BERN	IAFON																									
Carist	a 5	F	0	4	•	0	N/A	•	Automatic	•	•	•	•	•			•	0		0			0			
Chron	os 5	B,C,D,E	О	4	•	0	N/A	•	Automatic	•	•	•	•				•	0		О		0	0			
Saphi	ra 5	F	0	4	•	0	N/A	•	Automatic	•	•	•	•	•			•	0		0		0	0			
GENE	RAL HEARING																									
Simpl	icity Premier	В	•	4	•		4	•						•			•									
Simpl	y Soft Smart touch	D,E		4	•		4	•						•			•									
Simpl	y Slim Smart touch	D,E		4	•		4	•						•			•									
Simpl	icity Smart Touch Plus	В	•	4	4		4	•						•			•		**				•			
Discov	very MLD	В	•	4	4			•						•					**				0			
Digi-	K	F	0	4	4 O			•	Manual					-					**				0			
Simpl	y Soft Premier	D,E		4			4	•						•			-	<del>XX</del>	**							
HANS	SATON			4/2 ■ ○																						
Sound	IHD 3 13/S312	A ○ 4/2 ■			0	8	•	Automatic	•	•	•	-	•			•		0	•		•				-	
JamH	D 3 13P/S312M	В	0	4/2		0	8	•	Automatic										0							

\*Optional Tinnitus Sound Generator for patients with tinnitus

\*\*FM compatible via Bluetooth streamer

	KEY						Signal Proc	essing	ļ			Aut	omat	ic Sig	nal Pi	roces	sing		C	ommun	nication					
	Standard			Mem	ories/	,	Compress	ion	Direct	ional			Noise	2	Fe	edba	ck			Wire	eless	Tele	coil	Cro	os/	
0	Available			Situa	tions		Characteri	stics	Microp	hone	s	Man	agen	nent	Man	nagen	nent			Compa	atibility	icic	con	BiC	ros	1
А	RIC												_			Ada			-							
В	BTE												Activ	npul		Static	ptive			hrou						
С	CIC							Fi	A			Activ	e Spe	se Sc		Fee	Fee			gh In						Ear-t
D	ITE							hiting	Itom			/e Nc	ech	bund	G	dbac	dbac	Dire	-	iterm						o-Eai
Е	ITC				logg			Con	atic c			oise R	Enha	Man	ain R	k Car	k Car	ct Au	M In	ledia		Þ			z	Fun
F	All Styles		Ope	Nun	le/Bu	Rer	Char	npres	or Ma	Adap	_	leduc	ncer	ager	leduc	ncella	ncella	dio li	tegra	ry De	Bu	uton	Ma	5	on-W	ction
Mode	· ···	Style	n Fit	nber	Itton	note	nels	sion	nual	otive	ixed	tion	nent	nent	tion	ation	ation	nput	ation	evice	ilt In	natic	nual	/ired	/ired	ality
HANS	ATON (continued)																									]
JamH[	)3	C,D,E		4/2	0	0	8		Automatic			•							0	0		0				
AQ 3G	Comfort Class	B,D,E	0	5	0	0	12		Automatic			•	•					0	0	0			0			
MICR	OTECH																									
Summ	it i1000*	F	0	4	0	0	10		Both											•						
Summ	it i1200*	F	0	4	0	0	12		Both		•	•	•			•						-	-			
MIRA	CLE EAR																									
ME340	10	F	0	6		0	24		Automatic									0		-		0	0		0	
NUEA	R																									
Intro 1	000 Wireless*	F	0	4	0	0	10		Both	•		•	•							•						
Intro 1	200 Wireless*	F	0	4	0	0	12		Both	•	•	•	•							•		•				
отісо	N																									
Ria 2 P	ro	F	0	up to 4	0	0	6		Both	•	0	•	•	•	0	0		0	0	0		0	0	0		
Dynan	10 SP 6	В		up to 4	0	0	6		Both		0				0	0		0	0	0		0	0	0		
PERS	DNA																									
Claret	400	В	•	3 or 4	•		4					•		•			•			0			0			
Claret	400	C,D,E		4	0		4		Manual		0									0		0	0			
Evok 4	00	В	•	4	•		4					•	•	•			•			•			•			
Evok 5	00	C,D,E		4	0		2		Manual		0	•	•	•						О		0	0			
PHON	AK																									
Audéo	B50-10	А	•	3	•	0	12	•	Automatic	•		•	•				•			•					•	
Audéo	B50-312T	А	•	3	•	0	12	•	Automatic	•		•	-							•		•	-			
Audéo	B50-R	А	•	3	•	0	12	•	Automatic	•		•	•				•			•					•	
Audéo	B50-13	А	•	3	•	0	12	•	Automatic	•		•	•				•	•	•	•		•	•		•	
Bolero	V50-M/P/SP	В	0	3	•	0	12	•	Automatic	•		•	•				•			•		•	•		•	•
Virto V	50-10	C		3	•	0	12	•	Automatic	•		•	•				-			•		0	0		•	
Virto V	50-312	E		3	•	0	12	•	Automatic	•		•	•				•			•		0	0		•	•
Virto V	50-13	D		3	•	0	12	•	Automatic	•		•	•				•			-		•	-		-	
Naída	V50-SP/UP	В	0	3	•	0	12	•	Automatic	•		•	•				•	•	•	•		•	•		•	•
RESO	UND																									
Magna	4	В		4	•		9	•	Automatic	•		•	•	•		•	•	0					•			
REXT	DN																									
Emera	ld 40	A O 5 O		24	•	Automatic	•		•	•	-			-	0	0	0		•	0			•			
Mosai	: 40			0	24		Automatic	•		•	•	-			-	0	0	-		•	0					
Sterlin	g 40			24	•	Automatic	•		•	-	-						0		0	0						
Accord	12 HP	B,C,D,E	B,C,D,E 5 O O		24		Automatic	-		•	•	-				0	0	0		•	0					
SIGN	A/SIEMENS	·	A O 6 🔳 O			_		_		_	_	_				~	~	-		_	~			_		
Carat/	Larat A 3bx	A	0	6		0	24		Automatic	•								0	0	0			0			
Insio 3	рх	C,D,E		6	0	0	24	•	Automatic	-		•	•	-				0	0	0		-	0			

\*Optional Tinnitus Sound Generator for patients with tinnitus

### BASIC LEVEL COMPARISONS

(Basic Level Continues, Next Page) 🕨

15

### **BASIC LEVEL COMPARISONS**

	KEY						Signal Proc	essinc	1			Aut	omat	ic Sig	nal P	roces	sing		C	ommur	nication					
	Standard			Mem	ories/	/	Compress	ion	Direct	ional			Noise	5	Fe	edba	ck			Wire	eless	Tala	coil	Cro	os/	
0	Available			Situa	ations		Characteri	stics	Microp	hone	5	Mar	nagen	nent	Mar	nagen	nent			Compa	atibility	Tele	COII	BiC	ros	
А	RIC													_			Ada			-						
В	BTE												Activ	mpu		Statio	ptive			hrou						
С	CIC							Г.	Ą			Activ	e Spe	lse Sc		Fee	Fee			gh Ir						Ear-t
D	ITE							niting	Itom			/e No	ech	bund	G	dbac	dbac	Dire	-	iterm						o-Eai
Е	ITC				logg			J Con	atic c			vise R	Enha	Man	ain R	k Car	k Car	ct Au	M In	nedia		⊳			z	Fun
F	All Styles		Ope	Nun	le/Bu	Rer	Chan	npres	or Ma	Adap	-	educ	ncer	ager	educ	ncella	ncella	dio li	tegra	ry D∈	Bu	uton	Ma	5	on-W	ction
Mode	el	Style	n Fit	nber	tton	note	inels	sion	nual	otive	ixed	tion	nent	nent	tion	ation	ation	nput	tion	evice	ilt In	natic	nual	/ired	/ired	ality
SIGN	IA/SIEMENS (continued)																									
Motio	n 3px	В	0	6		0	24		Automatic					-				0	0	0		•	0			-
Ace 3	х	A	0	6	•	0	24		Automatic			•														
Pure 3	рх	A	0	6	•	0	24		Automatic									0	0	0			0		•	•
SONI	c																									
Cheer	60	F	0	4	•	0	N/A		Automatic	-	-	-	-				•	0		О		0	0			
Charn	1 60	F	0	4	•	0	N/A		Automatic	•	•	•	•				•	0		0		0	0			
Flip 6	)	A	0	4	•	0	N/A	•	Automatic	•	•	•	•				•			0		0	0			
STAR	KEY																									
Muse	i1000	F	0	4	0	0	10	•	Both	•	-	-	•			•	•			•		•	•			-
Muse	i1200	F	О	4	0	О	12		Both	•	•	•	•			•	•			•		•				
UNIT	RON																									
Moxi	Now 600	A	0	4		0	10	•	Both	•	•	•	•	•		•	•			•						•
Moxi	Fit 600	A	0	4	•	0	10	•	Both	-	•	•	•	•		•	•			•		•	•			
Moxi	Kiss 600	A	О	4		0	10	•	Both	-	-	-	-	•		-	-			-						-
Моху	Dura 600	A	О	4	•	О	10		Both	•	•	•	•	•		•	•			•		•	•			•
Stride	600	B,C,D,E	О	4	•	О	10	•	Both	•	•	•	•	•		•	•	0		•		0	0			•
WIDI	X																									
Beyor	id 220 Fusion 2	A	•	3	•	0	6	•	Automatic	•		•		•			•			О	•		•			•
Uniqu	e 220 Fashion	В	-	3	•	О	6		Automatic	•		•		•			•			О			•		•	•
Uniqu	e 220 Fashion PC	В		3	•	0	6	•	Automatic	•		•		•			•			О			•		•	•
Uniqu	e 220 Fashion Mini	В	•	3	•	0	6	•	Automatic	•		•		•			•			О					-	•
Uniqu	e 220 Fusion	A	•	3	•	0	6	•	Automatic	-		-		•			•			0			•		-	-
Uniqu	e 220 Passion	A		<b>3 O</b>			6		Automatic	-		-		-			-			0					-	•
Uniqu	e 220 In-the-Ear	D,E		3 0			6	•	Automatic	-		-		-			-			0			-		-	•
Uniqu	e 220 CIC	C	3 O			6					-		-						0					-	•	
Super	VSD	A		5	•	0	15	•	Automatic	•		•	•	•			•	•		0			•			•
Super	VS	Δ		5		0	15		Automatic											0						

### HEARING AIDS

#### Pros

- Cost less than surgery
- 80% of people with hearing loss are best served with hearing aids
- Easier to repair
- Less risk involved
- Retains and protects what's left of your middle and inner ear
- Excellent control of high frequency ranges

#### Cons

- Certain entry level hearing aids can cause loud noise to be troublesome
- Cannot treat all forms of hearing loss-your clinician will identify if you need to see an ENT surgeon
- Takes time to adjust to hearing aids

#### Pros

VS. SURGERY

- Helpful to those with profound hearing loss or deafness, where hearing aids may only provide a small benefit
- Not subject to feedback
- Control of high frequency ranges

#### Cons

- Extremely costly, up to \$50,000 for the surgery • Higher risk because it is surgery
  - Cannot easily upgrade or replace the implant
  - Destroys hearing you may still have
  - Can cause loud noise to be troublesome
  - Takes time to adjust

# Wireless Means Easy Listening



Wireless hearing aids use a streaming device to send sound directly into your hearing aids and help you listen to the TV, phone, or music with clarity and ease.

Today, hearing aid manufacturers from around the world are converting hearing aids into high-tech lifestyle accessories.

These sleek and sophisticated devices enhance personal conversation while wirelessly streaming audio directly into your hearing aids. This allows you to not only hear correctly, but also to fully engage in your favourite pastimes.

"Streaming" is an invisible and wireless technology that uses a small accessory to connect your hearing

aids to a wide range of devices. TVs, mobile phones, music players, and laptops can all be linked to your hearing aids.

phone.





Sonic SoundGate



This process allows people with difficulty hearing to enjoy clearer audio at any time, even when you're with others. Easily adjust your own personal volume and don't worry about bothering others in the room, all through a discrete device or a smart



Widex

Com-Dex

### ADVANCED LEVEL COMPARISONS

KEY						Signal Proc	essing	3			Aut	tomat	ic Sig	gnal P	roces	ssing			Commun	ication					
Standard			Mem	ories	/	Compress	sion	Direct	tional			Noise	2	Fe	eedb	ack			Wire	less	Tolo	ocoil	Cre	os/	
O Available			Situa	ations	5	Characteri	stics	Microp	hone	s	Ma	nager	nent	Ma	nage	ment	1		Compa	tibility	Tele		BiC	ros	
A RIC																Ad									
B BTE												Acti	Imp		Stati	aptiv			Throu						
C CIC							÷	Þ			Acti	/e Sp	llse S		c Fee	e Fee			l hgr						Ear-
D ITE							nitin	utom			ve N	eech	ouno		dba	dba	Dire		nterr						to-Ea
E ITC				Togg			g Co	natic			oise	Enh	Ma	Gain	ck Ca	ck Ca	ect A	FMI	nedia					7	ar Fur
F All Styles		Op	Z	gle/B	Re	Cha	npre	or M	Ada		Redu	ance	nage	Redu	ncell	ncell	Jdio	ntegr	ary D	œ	Auto	Z	_	Von-V	nctio
Model	Style	en Fi	mbe	uttor	mote	nnel	ssion	anua	ptive	Fixed	ction	men	men	ctior	atior	atior	Inpu	atior	evice	uilt Ir	matic	anua	Nirec	Nirec	nality
AUDIBEL		-	,	-			-	_		-	-	1		-	-	-		_		_		_	-	-	_
Audibel A4 Gold*	F	0	4	0	0	20		Both																	
Audibel A4 Silver*	F	0	4	0	0	16		Both																	
Audibel A4i Gold*	A	0	4	•	0	20	•	Both	•	•	•	•			•	•				•		•			-
Audibel A4i Silver*	A	0	4		0	16		Both																	
AUDIFON																									
Rega	A,B	0	7			18	•	Both						•			В								
Rega	C,D,E		7	0		18	•	Both	-		-										0	0			
Saga	A,B	0	6+			8/16	•	Both									В								
Saga	C,D,E		6+	0		8/16	•	Both	•		•			•		•					0	0			
Faro	A,B	О	6+	-	0	8/16	•	Both	•		•			•		•	В	NFMI	Multistreamer		•	•			-
Faro	D,E		6+	О	0	8/16	•	Both	•		•			•		•		NFMI	Multistreamer		0	0			•
Via Pro	A,B	0	6+	•		8/16	•	Both	•		•			•		•		NFMI		-	•	•		•	-
Via Pro	D,E		6+	0		8/16	•	Both	•		•			•		•		NFMI		•	0	0			•
Elia trt Combi*	В	О	6+	s		8/16	•	Both	•		•			•		•	В				•	•			
Elia trt Combi*	C, D,E		6+	0		8/16	•	Both	•		•			•		•					0	0			
AUDINA																									
Octane <sup>®</sup> 6	В		4	•		6	•	•	•		•	•	•			•		•				•			
Octane <sup>®</sup> 4	В		4	-		4	•				-		•		•	•		•				•			
Flx4 <sup>∞</sup>	В	•	4	•		4	•				•		•		•	•		•				•			
Intuition <sup>®</sup> 4AD	B,C,D,E		4	О		4	•	•	•		•	•	•			•	•	0	-		0	0			
Intuition <sup>®</sup> 4+	B,C,D,E		4	0		4	•				•	•	•			•	•	0	•		0	0			
Arro 6AD	В	•	4	•		6	•	•	•		•	•	•			•		0				0			
Arro 6	В	•	4	•		6	•			•	•	•	•			•		0				0			
Arro 6	A	•	4	•		6	•	-	•		•	•	•			•		•				•			
InstaFIT <sup>®</sup> Intuition 4+	E		4	•		4																			
BELTONE		•		~	~	-	-		_	_	_	_	_			_	0		0	0	0	0	~		0
Legend 9	F	0	1 or 4	-	0	9		Both		-							0		0	0	0	0	0		-
Promise 0	A,B	0	4		0	9		Both									0			-	0	0	0		
Profilise 9	F	0	1014	-	0	9		Both	-		-		-				0		-	-	5	5	0		-
REDNAEON	D		4		0	y		DULÍ		-	-						0		-	-			5		-
Supremia 7	R		Δ	-	0	N/A		Automatic	=	-	-	-	-			-	0	0	0		0	0			0
Juna 7	F	0	4	-	0	N/A		Automatic	-	-	-	-	-			-	0	**	0		0	0			0
Acriva 7	F	0	4		0	N/A		Automatic									0	**	0		0	0			0
Chronos 7	B.C.D.F	0	4		0	N/A		Automatic									0	**	0		0	0			0
GENERAL HEARING	-, ,,,,,,			_			-		-		_					-	-				-	-			
Triad combination unit	F		4			4											**	**							

\*Optional Tinnitus Sound Generator for patients with tinnitus

\*\*FM compatible via Bluetooth streamer

	KEY						Signal Proc	essin	g			Aut	tomat	tic Sig	inal P	roces	sing			Communi	cation					
•	Standard			Mem	ories/	/	Compress	sion	Direct	ional			Noise	е .	Fe	edba	ack			Wire	less	Tele	coil	Cro	os/	
О	Available		Situations Characteristics Microphones Management r							Mar	nager	nent	1		Compa	tibility			BIC	ros						
А	RIC		≥ ∃							Ada																
В	BTE												Activ	mpu		Statio	ptive			hrou						
С	CIC							F	A			Acti	e Sp	lse So		Fee	e Fee			gh Ir						Ear-t
D	ITE							hiting	ltom			ve No	eech	bunc	0	dbac	dbac	Dire	_	nterm						o-Ea
Е	ITC				Togg			y Cor	atic			oise F	Enha	Mar	iain F	k Ca	k Ca	ct Au	MIn	nedia		~			7	rFun
F	All Styles		Ope	Z	le/Bu	Rei	Chai	npre	or Ma	Ada	_	Redu	ancei	nagei	Redu	ncell	ncell	Idio I	itegri	iry D	B	utor	Ma	<	lon-V	ctior
Mode	<b>a</b> ]	Style	en Fit	nber	Itton	note	nnels	ssion	anua	ptive	Tixed	ction	nent	nent	ction	ation	ation	nput	ation	evice	uilt In	natic	anual	Vired	Vired	nality
HANS	ATON																									
Sound	HD 5 13/S312	А	0	4/5		0	12		Automatic										0							
JamHl	D 5 13P/S312M	В	0	4/5		0	12		Automatic										0							-
JamHl	)5	C,D,E		4/5	0	0	12	•	Automatic	•	•		•				•		0	0		0				0
Beat 7		В		4		0	16		Automatic			-								0		-				-
AQ 3G	Business Class	B,D,E	0	6	0	0	16	•	Automatic	•		•	•				•	0	0	0			0			0
MICR	OTECH																									
Summ	it i2000*	F	0	4	0	0	20		Both																	-
Summ	iit i1600*	F	0	4	0	0	16		Both														-			-
Kinne	ct 2 i2000*	А	0	4	•	0	20	•	Both		•		•				•				•					
Kinne	ct 2 i1600*	A	0	4		0	16		Both																	-
MIRA	CLE EAR																									
ME440	00	F	0	6		0	32		Automatic									0				0	0		0	
NUEA	R																									
NOW F	Pro*	F	0	4	0	0	20		Both																	-
NOW F	Prestige*	F	0	4	0	0	16		Both			•				-										
iNOW	Pro*	А	0	4		0	20		Both								•									
iNOW	Prestige*	A	0	4		0	16		Both			•														
OTICO	DN																									
Nera 2	Pro	F	0	up to 4	0	0	8	•	Both	•	0	•	•		0	0	•	0	0	0		О	О	0		
Dynan	no SP 8	В		up to 4	0	0	8		Both		0	•	•		0	0	•	0	0	0		0	О	0		
PERS	ONA																									
Evok 6	25	В	•	4	•		6	•				•	•	•			•			•			•			
Evok 9	00	В	0	4	•		8	•	Both		0	•	•					•	О	•						
Evok 9	00	C,D,E		4	0		8	•	Both	0	0	•	•	•			•			0		О	О			
0le' 2'	100	C,D,E		4	•		8	•	Both	0	0	-	•	•			•			0		0	О			
0le' 2'	125	В		4	-		8	-	Both	-	0	•	-				-			-						
0le' 2		C		4			8	-					-	-			-									
OPA 20	00	А	•	4	•		16	•	Both	•	0	•	•	•			•			•			-			
PHON	IAK																									
Audéo	B70-10	A	•	4	•	0	16	•	Automatic	•		•	•	•			•			•						-
Audéo	B70-312T	A	•	4	•	0	16	-	Automatic	-		•	-	•			•			-		-	-			-
Audéo	B70-R	А	•	4	•	0	16	•	Automatic	-		•	•	•			•			•					•	•
Audéo	V70-13	А		4 • O 16 • Automat		Automatic	-			-	-			-	-	•	-									
Bolero	V70-M/P/SP	В	0	4	•	0	16	•	Automatic	•		•	•	•			•			•		•	•		•	•
Virto V	70-10	C		4	•	0	16	•	Automatic	•		•	•	•			•			-		0	0			•
Virto V	70-312	E		4	•	0	16	•	Automatic	•		•	•	•			•			•		0	0		•	•
Virto V	/70-13	D		4	•	0	16	-	Automatic	-			-	-			-			•						
Naída	V70-SP/UP	В	0	4	•	0	16	•	Automatic	•		•	•	•				•	•	•		-	-		•	-

\*Optional Tinnitus Sound Generator for patients with tinnitus

### ANCED LEVEL COMPARISONS

(Advanced Level Continues, Next Page)

### ADVANCED LEVEL COMPARISONS

KEY						Signal Proc	essing	9			Aut	omat	ic Sig	gnal I	Proces	sing			Commun	ication						KEY	
Standard			Mem	1emories/ Compression ituations Characteristics				Direct	ional			Noise	5	F	eedba	ck			Wire	eless	Tele	coil	Cro	os/		■ Standard	
O Available			Situa	ations		Characteri	istics	Microp	hone	S	Mar	nager	nent	Ma	anager	nent			Compa	atibility			BiCı	ros		O Available	
A RIC													_			Ada										A RIC	
B BTE												Activ	mpu		Stati	ptive			hrou							B BTE	
C CIC							F	₽			Acti	'e Sp	lse S		c Fee	e Fee			igh li						Ear-	C	
D ITE							nitin	utom			ve N	eech	ouno	_	dba	dba	Dire		nterr						to-Ea	DITE	
E ITC				Togg			g Co	natic			oise	Enh	Ma	Gain	ck Ca	ck Ca	ect A	FM	nedia					-	r Fu	E ITC	
F All Styles		ę	Z	gle/B	Re	Cha	npre	or M	Ada		Redu	ance	nage	Redu	ncel	ncel	udio	ntegi	ary D	œ	Auto	z	_	Non-1	nctio		
Madal	Style	en Fi	mbe	uttor	mot	nnel	ession	anua	aptive	Fixed	Iction	men	men	Iction	latior	latior	Inpu	ratior	Pevic	uilt Ir	mati	anua	Wired	Wired	nalit	F All Styles	st
PESOIIND	(D	-	~		10	s	<u>د</u>		(D	<u>u</u>	<u>ر</u>	4	4	<u>د</u>	<b>ر</b>	2	4	۔ ا	(D		Π	_	Ω.	α	×	Model	le
Fnva 2*	E	0	Л		0	8	-	Automatic			-	-	-			-	0			-	-					WIDEX (continued)	
Eliya 3	RCDE	0	4	-	0	6		Automatic	-		-	-	-			-	0		-		-	-				Unique 330 Fusion	A
	D,C,D,L	9	J	-	9	U	-	Automatic	-		-	-	-		-	-	9			-		-				Unique 330 Passion	A
Emerald 60	٨	0	6		0	32	-	Automatic			-	-	-			-	0	0			-			0		Unique 330 In-the-Ear	D,I
Mosaic 60	R	0	6	-	0	32		Automatic	-		-	-	-			-	0	0			-	-		0	2	Unique 330 CIC	C
Sterling 60	CDE	•	6	-	0	32	-	Automatic			-	-	-			-	•	•	-		-	-		0	2	Unique 330 CIC micro	C
SIGNIA/SIEMENS	C,D,L		0	0	0	JZ	-	Automatic	-		-	-	-			-			9		0	0		0	-		
Carat/Carat A Shy	٨	0	6	-	0	32	-	Automatic	-		-	-	-			-	0	0	0		-	0			•		
		9	6	-	0	22		Automatic	-		-	-	-			-	0	0	0		-	0		-			
Motion Spx	C,D,L R	0	6		0	32	-	Automatic			-	-	-			-	0	0	0		-	0		-	2		
Ace Sny	٨	0	6		0	32		Automatic			-	-				-	9	9	9		-	0		-	-	Ih	e
Pure Sny	Δ	0	6		0	32		Automatic			-	-	-			-	0	0	0			0					<b>~</b> !
Cellion Sny	Δ	0	6	-	0	32	-	Automatic			-	-	-			-	0	0	0		-	0		-	-		
	n	•	0	-	9	JZ	-	Automatic	-		-	-	-			-	9	•	•			•		-	-		
Rliss 80	F	0	4	-	0	N/A		Automatic	-	-	-	-	-			-	0		0		0	0			0		
Flin 80	Δ	0	4	-	0	N/A	-	Automatic		-	-	-	-			-	•		0		0	0			0		
lourney 80	R	•	4		0	N/A	-	Automatic		-	-	-	-			-	0	0	0		0	0			0		
Celebrate 80	F	0	4	-	0	N/A	-	Automatic	-	-	-	-	-			-	0	•	0		0	0			0	TRULINK	
STARKEY		J		_	J		-	hatomate	_	-	_	_	_			-									•		
Muse i2000*	F	0	4	0	0	20		Both				-										•			•		
Muse i1600*	F	0	4	0	0	16		Both				-														Find Settings	
Halo 2 i2000*	A	0	4		0	20		Both																		Hip Manula	
Halo 2 i1600*	A	0	4		0	16		Both																			
UNITRON																											
Moxi Now 700	A	0	4		0	16		Both																		Starkey Trul ink <sup>TM</sup>	В Не
Moxi Fit 700	A	0	4		0	16		Both																		ndenik	
Moxi Kiss 700	A	0	4		0	16	•	Both	•			-	•		•				•						•		
Moxi Dura 700	A	0	4	•	0	16		Both	•	•	-	-	-								•	•			•		
Stride 700	B,C,D,E	0	4	•	0	16		Both	•								0				0	0			•	Engineers fror	n th
Moxi Now 800	A	0	4		0	20		Both																		hearing techno	oloa
Moxi Fit 800	A	0	4	•	0	20	•	Both	•			•	•								•	•			•	are linking sma	rt p
Moxi Kiss 800	A	0	4		0	20		Both		•	-	-	-												•	hearing aids wi	ith a
Moxi Dura 800	A	0	4		0	20		Both					-			-						-				results The lin	c is i
Stride 800	B,C,D,E	0	4		0	20		Both					-				0				0	0				a software and	licat
WIDEX																										a soliwale app	dar
Beyond 330 Fusion 2	A		4		0	10		Automatic											0			•					090 ;p.
Unique 330 Fashion	В		4	-	0	10	-	Automatic	-				-			-			0			-		•	•	IFNONE <sup>®</sup> , IFad <sup>®</sup>	, ۲۲C الد
Unique 330 Fashion Power	В		4	-	0	10	-	Automatic	-							-			0			-		•	-	Android device	tha
Unique 330 Fashion Mini	В		4		0	10		Automatic											0							your hearing d	evic

\*Optional Tinnitus Sound Generator for patients with tinnitus

Signal Processing Directional Memories/ Compression Situations Characteristics Microphones Limiting Compr Q Oper

# re's an App for that ... Hearing Aid



ne world's best y companies hones to amazing created by tion (app for d onto your od Touch® or t connects to ces.

Your smart phone becomes a remote control for your hearing aids, and in some cases it also

connects your devices with most electronics, streaming headphone-quality sound for music, television, driving directions, hands-free phone calls, and more.

The new world of hearing apps provides a better hearing experience to its users. For example, there's an app that turns your smart phone into a personal microphone, an app for geotagging your stored

### ADVANCED LEVEL COMPARISONS



Just about everything can talk to your smart phone, so why shouldn't your hearing aids? These new high tech apps take hearing technology to the next level and give you the flexibility to connect your world with your hearing aids.

> listening preference for routine locations, an app for locating misplaced hearing aids using your phone as a homing device, and an app to minimise the perception of tinnitus. The added cost for this new technology is minimal compared to the satisfaction it provides. Ask your local hearing professional for a demonstration of this new technology at your next appointment.

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# Invisible Hearing Aid Comparisons

IIC placement ear drum ear canal

Ultra-tiny, completely invisible hearing devices are the latest advancement in hearing technology. These hearing aids are similar to traditional CICs, but they are smaller in size and fit deep into the ear canal, making them impossible to see when worn. There are currently three types of hearing aids in this category: an extended-wear analogue hearing aid (like Lyric), a readyto-wear digital hearing aid (like AMP), and a custom-fit digital hearing aid (like Cue). While the cosmetic appeal of these new products has driven their popularity, not everyone is a candidate. The size and shape of your ear canal, as well as the degree of your hearing loss, are factors considered for candidacy.





	C CONTRACT							B		-	Ţ			
Manufacturer	Product	Material	Custom Fit	Extended Wear	Minimum Length	Minimum Diameter	Battery Size	attery Life Expectancy	Insertable by Patient	Removable by Patient	edback Cancellation	Noise Reduction	Remote Control	Programmable
AUDIBEL*	Invisibel Synergy Platinum (Wireless)	Acrylic Plastic			Varies	Varies	10A	4-7 days		-				
AUDIBEL*	Invisibel Synergy Platinum	Acrylic Plastic	•		Varies	Varies	10A	4-7 days	•	•	•	•	•	-
AUDIBEL*	Invisibel Synergy Gold	Acrylic Plastic	•		Varies	Varies	10A	4-7 days			•			
AUDIBEL*	Invisibel Synergy Silver	Acrylic Plastic	•		Varies	Varies	10A	4-7 days		•	•		•	-
AUDIFON	Saga pico	Acrylic Plastic			15mm	7mm	10A	120h		-	•			
AUDIFON	Rega pico	Acrylic Plastic	•		15mm	7mm	10A	60h	-	-	•	•		•
AUDINA	Cue®	Acrylic Plastic			12mm	9mm	10A	7-9 days		-				
AUDINA	INTUITION® 12	Acrylic Plastic			12mm	9mm	10A	7-9 days	-	-	•	•		-
AUDINA	INTUITION® 6	Acrylic Plastic			12mm	9mm	10A	7-9 days		-	•			
AUDINA	INTUITION® 4+	Acrylic Plastic	•		12mm	9mm	10A	7-9 days	-	-	•	•		•
AUDINA	INTUITION® 2ER	Acrylic Plastic			12mm	9mm	10A	7-9 days	-	-				
AUDINA	INTUITION® 2FC	Acrylic Plastic			12mm	9mm	10A	7-9 days	-	-				-
BELTONE	Micro Invisa	Acrylic Plastic			16mm	5mm	10A	78 hours		-				
BERNAFON	Acriva 9	Acrylic Plastic	•		9mm	6mm	10A	9 days	-	-	•	•		•
BERNAFON	Juna 9	Acrylic Plastic			9mm	6mm	10A	9 days		-				
BERNAFON	Saphira 5	Acrylic Plastic	•		9mm	6mm	10A	9 days	-	-		•	•	-
GENERAL HEARING	Simply Soft Micro	Soft Silicone			14mm	5mm	10A	7-9 days		-	•			•
MICROTECH*	MicroLens Synergy i2400	Acrylic Plastic	•		Varies	Varies	10A	4-7 days	-	-	•	•	•	•
MICROTECH*	MicroLens Synergy 2400	Acrylic Plastic			Varies	Varies	10A	4-7 days		-				
MICROTECH*	MicroLens Synergy 2000	Acrylic Plastic	•		Varies	Varies	10A	4-7 days	-	-		•	-	•
MICROTECH*	MicroLens Synergy 1600	Acrylic Plastic	•		Varies	Varies	10A	4-7 days	-	-		-		•
MIRACLE EAR	Mirage 5400	Custom Shell	•		12 mm	Varies	10A	75 hrs	-	-	•	•	•	-
MIRACLE EAR	Mirage 4400	Custom Shell			12 mm	Varies	10A	75 hrs	-	-				-
MIRACLE EAR	Mirage 3400	Custom Shell	•		12 mm	Varies	10A	75 hrs	-	-	•	-	•	•
NUEAR*	Miniscopic Synergy Premier (Wireless)	Acrylic Plastic	•		Varies	Varies	10A	4-7 days	-	-		-		•
NUEAR*	Miniscopic Synergy Premier	Acrylic Plastic	•		Varies	Varies	10A	4-7 days	•	-	•	-	•	•
NUEAR*	Miniscopic Synergy Pro	Acrylic Plastic			Varies	Varies	10A	4-7 days	-	-				-
NUEAR*	Miniscopic Synergy Prestige	Acrylic Plastic	-		Varies	Varies	10A	4-7 days	•		•		•	
OTICON	Alta 2 Pro IIC	Custom Shell	•		8mm	6mm	10A	7-9 days						
OTICON	Nera2 Pro IIC	Custom Shell			8mm	6mm	10A	7-9 days						

\* Optional Tinnitus Sound Generator for patients with tinnitus

Manufacturer	Product	Material	Custom Fit	Extended Wear	Minimum Length	Minimum Diameter	Battery Size	Battery Life Expectancy	Insertable by Patient	Removable by Patient	Feedback Cancellation	Noise Reduction	Remote Control	Programmable
OTICON	Ria 2 Pro IIC	Custom Shell			8mm	6mm	10A	7-9 days		-				
PERSONA	Olé HD	Custom Shell	•		Varies	Varies	10A	7-9 days	•	•	•	•		
PHONAK	Virto V90-IIC	Acrylic Plastic			Varies	Varies	10A	4-7 days		•				
PHONAK	Virto V70-IIC	Acrylic Plastic			Varies	Varies	10A	4-7 days	•	•	-	-	-	
PHONAK	Virto V50-IIC	Acrylic Plastic			Varies	Varies	10A	4-7 days						
PHONAK	Lyric 3	Soft Foam		•	Varies	Varies	Proprietary	Up to 120 days		•			-	-
RESOUND*	LiNX <sup>2</sup> 9	Acrylic Plastic			Varies	Varies	10A	3-6 days		•				
RESOUND*	LiNX <sup>2</sup> 7	Acrylic Plastic			Varies	Varies	10A	3-6 days	•	•	•	•		-
RESOUND*	LiNX <sup>2</sup> 5	Acrylic Plastic			Varies	Varies	10A	3-6 days		•				
SIGNIA/SIEMENS	Silk 7px	Silicone/Plastic			Varies	Varies	10A	7-9 days	•	•	•	-		-
SIGNIA/SIEMENS	Silk 5px	Silicone/Plastic			Varies	Varies	10A	7-9 days						
SIGNIA/SIEMENS	Silk 3px	Silicone/Plastic			Varies	Varies	10A	7-9 days	•	•	•	•		
SIGNIA/SIEMENS	Insio 7px IIC	Plastic	•		Varies	Varies	10A	7-9 days	•	•				-
SIGNIA/SIEMENS	Insio 5px IIC	Plastic	•		Varies	Varies	10A	7-9 days	-	•	-	-		-
SIGNIA/SIEMENS	Insio 3px IIC	Plastic			Varies	Varies	10A	7-9 days						
SONIC	Celebrate 100	Acrylic Plastic	•		9mm	6mm	10A	9 days	•	•	•	•	•	-
SONIC	Cheer 60	Acrylic Plastic	•		9mm	6mm	10A	9 days	•	•				-
SONIC	Bliss 100	Acrylic Plastic	•		9mm	6mm	10A	9 days	•	•	•	•		-
SONIC	Charm 60	Acrylic Plastic			9mm	6mm	10A	9 days						
SONIC	Charm 60 Standard IIC	Acrylic Plastic			13mm	10mm	10A	9 days	•	•	•	•		-
STARKEY*	SoundLens Synergy i2400	Acrylic Plastic	•		Varies	Varies	10A	4-7 days		•				
STARKEY*	SoundLens Synergy 2400	Acrylic Plastic	•		Varies	Varies	10A	4-7 days	•	•	-	-	-	-
STARKEY*	SoundLens Synergy 2000	Acrylic Plastic	•		Varies	Varies	10A	4-7 days	•	•	-			
STARKEY*	SoundLens Synergy 1600	Acrylic Plastic	•		Varies	Varies	10A	4-7 days	•	•	-	-	-	-
STARKEY*	AMP	Acrylic Plastic	•		Varies	Varies	10A	4-7 days	•	•	-			
UNITRON	Stride Pro IIC	Acrylic Plastic	•		Varies	Varies	10A	5-7 days	•	•	-	-	-	-
UNITRON	Stride 800 IIC	Acrylic Plastic	•		Varies	Varies	10A	5-7 days		•				
UNITRON	Stride 700 IIC	Acrylic Plastic	•		Varies	Varies	10A	5-7 days	•	•				-
UNITRON	Stride 600 IIC	Acrylic Plastic	•		Varies	Varies	10A	5-7 days	-	-				
UNITRON	Stride 500 IIC	Acrylic Plastic	•		Varies	Varies	10A	5-7 days	•	•	•	•		

\* Optional Tinnitus Sound Generator for patients with tinnitus

Invisible Hearing Aid Comparisons





### PREMIUM LEVEL COMPARISONS

	KEY		Signal Processing									Aut	omat	tic Sig	nal Pi	roces	sing		C	ommur	ication					
	Standard			Mem	ories/	,	Compress	ion	Direct	ional			Noise	5	Fe	edba	ack			Wire	less	Telecoil		Cro	os/	
0	Available			Situa	itions		Characteristics		Microphones		s	Management		Management				Compa	tibility	Tele	COII	BiCı	ros			
А	RIC																Ac									
В	BTE												Acti	Imp		Stat	lapti			Thro						
С	CIC							⊑.	ъ			Act	ve S	ulse :		ic Fe	/e Fe			ugh						Ear
D	ITE							mitin	utor			ive N	beec	Soun		edba	edba	Dir		Inter						to-E
Е	ITC				Tog			ig Co	natic			loise	ר Ent	d Ma	Gain	ck C	ck C	ect A	FMI	medi						ar Fu
F	All Styles		<u>p</u>	Z	gle/E	Re	Cha	mpre	or N	Ad		Redu	lance	inage	Redu	ance	ance	udio	nteg	iary [		Auto	2		Non-	nctic
		Styl	oen F	ımbe	Sutto	emot	annel	essio	lanua	aptiv	Fixe	Jctio	emer	emer	Jctio	latio	latio	Inpu	ratio	Devic	uilt I	mati	lanua	Wire	Wire	nalit
VIOD		e	Ŧ	4	3	e	s	Ξ	<u> </u>	e	٩	5	Ŧ	Ŧ	5	3	5	Ŧ	5	P	3	0	<u> </u>	٩	٩	×
Audib	el A4 Platinum	E	0	4	0	-	24	-	Fither	-	-	-	-			-	-					-	-		-	
Audib	el A4i Platinum	Δ	0	4	-	-	24	-	Fither	-	-	-	-			-	-			-	-	-	-		-	
Audib	el A2 Tinnitus Gold**	Δ	0	4	-	-	12	-	Fither	-	-	-	-			-	-			-	-	-	-			-
AUDI	FON	A	•		•		12	-	Entited		-	-	-			-	-					-	-			
Faro		A.B	0	6+		0	8/16		Both	-	-	-			-			В								
Faro		D.E	-	6+	0	0	8/16		Both		-	-						5				0	0			
Via Pr	D	а, в	0	6+			8/16		Both																	
Via Pr	0	D,E		6+	0		8/16		Both	-	-	-										0	0		-	
Saga		A,B	0	6+	•		8/16		Both	•		•					•	В				•	•			
Saga		C,D,E		6+	0		8/16		Both			-										0	0			
Elia tr	t Combi*	В	0	6+			8/16		Both			•					•	В				•	•			
Elia tr	t Combi*	C,D,E		6+	0		8/16		Both			-			•							0	0			
AUDI	NA																									
Octan	e® 12	В		4	•		12		-	-		-	-	•			•		•							
Flx12°	•	В		4	•		12		-	•		-	•	•			•		•				•			
Flx6®		В		4	•		6	-	-	•		-	-	•			•						•			
Intuiti	on® 12	C,D,E		4	0		12		-	•				•			•		0	•		0	0			
Intuiti	on® 6	C,D,E		4	0		6		-	•		-	•	•			•		0	•		0	0			
Arro 1	2	В		4	•		12	•	-	•		-	•	•			•		0				0			
Arro 1	2	А	•	4	•		12		-	•		•	•	•			•		•				•			
BELT	DNE																									
Legen	d 17	F	0	1 or 4	0	0	17	•	Both	•	•	•	•	•			•	0		0	•	0	0	0		0
First 1	7	A,B	0	4	•	0	17	•	Both	•	-	•	-	•			•	0		-	•	0	0	0		•
Promi	se 17	F	0	1 or 4	0	0	17	•	Both	•	•	•	•	•			•	0		0	•	0	0	0		0
Boost	Plus 17	В		4	•	0	17		Both	•	•	-	-	•			•	0		•	•	-	•	0		•
BERN	IAFON																									
Juna 9	)	F	0	4	•	0	N/A	•	Automatic	•	•	•	•	•			•	0		0		0	0			0
Acriva	9	F	0	4	•	0	N/A	-	Automatic	-	-	-	-	•			•	0		0		0	0			0
Chron	os 9	B,C,D,E	0	4	•	0	N/A	•	Automatic	•	•	-	-	•			•	0		0		0	0			0
HANS	SATON		0		-	~	20	-	A. 4	-	-	-	-	-			-		<u> </u>	-		-				-
Sound	IHD 9 13/5312	A	0	4/7	-	0	20		Automatic	-	-	•	-	-			-		0*							-
Sound	1 HU / 13/5312	A	0	4/6		0	16	-	Automatic		-						-		0*							-
JamH	U 9 138/5312M	В	0	4//	-	0	20		Automatic	-	-			-					0*							-
Janii			0	4/0		0	20	-	Automatic								-		0*			•				•
Janil	0.7	C.D.E		4/7	0	0	16	-	Automatic	-	_	-	-	-			-		0*	0		0				0
VU 30	First Class Rechargeable	R D F	0	4/0	0	0	18	-	Automatic	-	_							0*	0*	0			0			0
		0,0,2	-	5	-	-	.0		. acomute	_		-	_	_			_	-	-	-			-			-

\*FM compatible via Bluetooth streamer

\*\*RIC 10

KEY						Signal Proc	9			Aut	omat	ic Sig	nal P	roces	sing	Communication									
■ Standard			Mem	ories/	1	Compress	sion	Direct	c	Noise Feedback								Wire	eless	Tele	ecoil	Cro	os/		
O Available			Jitud			Characteri	SUCS	Microp	none	3	Iviai	lagei	lient	Iviai	lagen	nem			compa	ationity			DIC	105	
A RIC												ъ	=		S	Ada			Ę						
B BTE												ctive	npuls		tatic	otive			nroug						_
C CIC							Б	Au			Activ	: Spe	se So		Feed	Feed	_		gh In:						ar-to
D ITE				-			iting	toma			e No	ech E	und	ត្ត	Iback	Iback	Direc	E	term						o-Ear
F ITC				oggl		~	Com	itic o			ise R	nha	Mana	ain R	Can	(Can	t Au	MInt	ediar		A			z	Func
	S	Ope	Num	e/But	Rem	Chan	pres	r Mar	Adap	-	educ	ncem	agen	educ	cella	cella	dio Ir	egra	y De	Bui	utom	Mar	≤	on-W	tion
Model	tyle	n Fit	nber	tton	note	nels	sion	nual	tive	ixed	tion	lent	lent	tion	tion	tion	Iput	tion	vice	lt In	natic	nual	ired	ired	ality
MICROTECH																									
Summit i2400	F	0	4	0	0	24	•	Both	•	•	•	•			•	•					-	•		•	
Kinnect 2 i2400	А	0	4	•	0	24	•	Both		•	•								•						
Propel Tinnitus 50**	A	0	4	0		12	•	Both		•	•	•			•						•	•			
MIRACLE EAR																									
ME5400	F	0	6	•	0	48	•	Automatic	•		•	•	•			•	0		•		0	0		0	
NUEAR																									
NOW Premier	F	0	4	0	0	24	•	Both	•	•	•	•			•	•			•	•	•	-		•	•
iNOW Premier	A	0	4	•	0	24	•	Both	•	•	•	•			•	•			•	•	•	•			
NuEar SDS Tinnitus Pro**	Α	0	4	0		12	•	Both		•	•	•			•	•					•	•			
OTICON																									
Alta 2 Pro	F	0	up to 4	0	0	10	•	Both	•	0	•	•	•	0	0	•	0	0	0		0	0	0		•
Alta 2 Pro	F				0	10	•	Both	•	0	•	•	•	0	0	•	0	0	0		0	0	О		
Nera 2 Pro	В		up to 4	0	0	9	•	Both	•	0	•	•	•	0	0	•	0	0	0		0	0	0		•
Opn	A	0	up to 4	0	0	16	•	Both	•	0	•	•	•	0	0										
PERSONA																									
Evok 800	В	•	4	•		8	•	Both	•	0	•	•	•			•			•			•			
Ole' 1600	В	•	4	•		16	•	Both	•	0	•	•	•			•			0			•			
Ole' 1600	C,D,E		4	•		16	•	Both	0	0	•	•	•			•			0		0	0			
OPA 300	A	•	4	•		16	•	Both	-	0	•	-	•			-			•		-				
OPA 400	A	•	4			16	•	Both	•	0	•	•	•			•			•		-			•	0
PHONAK		_	_	_	0		_		_		_	_	_			_			_					_	_
Audéo B90-10	Α		7		0	20		Automatic	-		-	-	-			-			-		_	_		-	-
Audeo B90-3121	A		/		0	20		Automatic	-		-	-	-			-			-		-	-		-	-
AUGEO B90-K	A		7	-	0	20	-	Automatic	-		-	-	-			-	_	-	-		_	_		-	-
Audeo V90-13	A	•	7	-	0	20	-	Automatic	-		-	-	-			-	-	-	-		-	-		-	-
Vieto V00 10	D	0	7		0	20	-	Automatic	-		-	-	-			-			-		-	-		-	-
Virto V90-10	E E		7		0	20		Automatic	-		-	-	2			-			-		0	0		-	-
Virto V90-12	D		7	÷	0	20	1	Automatic	-		-	-	÷			-					-	-			-
Naída V90-SP/IIP	B	0	7		0	20		Automatic	-		-	-				-			-		-	-		-	-
RESOUND	b	•	,	-	•	20	-	Automatic	-		-	-	-			-	-	-	-		-	-		-	-
LiNX <sup>2</sup> 9*	F	0	6		0	17		Automatic									0	0							
LiNX <sup>2</sup> 7*	F	0	6		0	17		Automatic									0	0		-					
LiNX <sup>2</sup> 5*	F	0	6		0	9		Automatic									0	0		-					
ENZO <sup>2</sup> 9*	В		6		0	17		Automatic	-			-			-	-	0	0			-	-			
ENZO <sup>2</sup> 7*	В		6		0	17		Automatic	-		-	-	-		-	-	0	0			-				
ENZO <sup>2</sup> 5*	В		6		0	9		Automatic	-		-	-	-		-		0	0			-	-			

\*FM compatible via Bluetooth streamer \*\*RIC 10

### PREMIUM LEVEL COMPARISONS

(Premium Level Continues, Next Page) 🕨

### PREMIUM LEVEL COMPARISONS

	KEY				Signal Processing									tic Sig	gnal P	roces	sing	Communication								
	Standard			Merr	nories	/	Compression Directional				Noise Feedback						Wireless			Telecoil		Cro	os/			
0	Available			Situa	ations		Character	istics	Microp	hone	s	Mar	nager	ment	Mai	nager	nent			Comp	atibility	Tele	con	BiC	ros	
А	RIC																Ad									
В	BTE												Acti	Impi		Stat	aptiv			Thro						
С	CIC							Ę.	Þ			Act	ve Sp	ulse S		ic Fee	re Fe			ugh I						Ear-
D	ITE							nitin	uton			ive N	beech	oun		edba	edba	Dire		nterr						to-E
Е	ITC				Togg			g Co	natic			oise	Enh	d Ma	Gain	ck Ca	ck Ca	ect A	FM	nedi					-	Fur
F	All Styles		Qp	Z	gle/B	Re	Cha	mpre	or M	Ada		Redu	ance	nage	Redu	Incel	incel	udio	ntegr	ary D	œ	Auto	M	_	Von-V	nctio
And	al	Style	en Fi	mbe	uttor	mote	nnels	ssion	anua	ptive	Fixed	ctior	men	men	ction	atior	atior	Inpu	atior	evice	uilt Ir	matic	anua	Nirec	Nirec	nality
REXT	:ON	10	-	-	1			-	_	10	-	-	7			-	_	~			2		_	-	-	-
Emera	ald 80	۵	0	6		0	40		Automatic			-	-					0	0	0			0		0	
Mosai	ic 80	B	0	6	-	0	40	-	Automatic	-		-	-				-	0	0			-	0		0	-
Sterli	na 80	C.D.E		6	0	0	40	-	Automatic	-		-					-			0		0	0		0	
Finne	se 18 HP	B.C.D.E		6	0	0	36		Automatic									0	0	0			0		-	
SIGN	IA/SIEMENS	-/-/-																								
Carat/	/Carat A 7bx	A	0	6		0	48		Automatic									0	0	0			0			
Insio	7px	C.D.E	Ĵ	6	0	0	48		Automatic	-		-	-				-	0	0	0		-	0			
Motio	יח 7סג	В	0	6		0	48		Automatic									0	0	0			0			
Ace 7	px	A	0	6		0	48		Automatic																	
Pure 7	7рх	A	0	6		0	48	•	Automatic									0	0	0			0			
Cellio	n 7px	A	0	6		0	48		Automatic									0	0	0			0			-
SONI	c																									
Bliss 1	100	F	0	4	-	0	N/A	•	Automatic	-			-	-				0		0		0	0			0
Flip 1	00	A	0	4		0	N/A		Automatic											0		0	0			0
Celeb	rate 100	F	0	4	•	0	N/A	•	Automatic	•	•	•	•	•			•	0		0		0	0			0
STAR	KEY																									
Muse	i2400	F	0	4	0	0	24		Both	-			-			-					•				•	
Halo 2	2 i2400	A	0	4		0	24		Both		•	•	-			-						•	•			-
Xino T	finnitus 90**	A	0	4	0		12		Both		•	•	•			•						•				
UNIT	RON																									
Moxi	Now Pro	A	0	4		0	20		Both	•			-	•		-										
Moxi	Fit Pro	A	0	4	•	0	20		Both	•			•	•		-	•						•			-
Moxi	Kiss Pro	А	0	4		0	20	•	Both	•	•	•	•	•		-	•			-						-
Moxi	Dura Pro	А	0	4	•	0	20	•	Both	•	•	•	•	•		-	•			-			•			•
Stride	Pro	B,C,D,E	0	4	•	0	20		Both	•			•	•		•		0		-		0	0			-
WIDI	EX																									
Beyor	nd 440 Fusion 2	А	•	5	•	0	15	•	Automatic	•		•	•	•			•			О	•		•			•
Uniqu	ue 440 Fashion	В	•	5	•	0	15	•	Automatic	•		•	•	•			•			0			•		•	•
Uniqu	ue 440 Fashion Power	В		5	•	0	15	•	Automatic	•		•	•	•			•			0			•		•	•
Uniqu	ue 440 Fashion Mini	В		5		0	15	•	Automatic	•		•		-						0						
Uniqu	ue 440 Fusion	A	•	5	-	0	15	•	Automatic	-		•		-			-			О			•		-	
Uniqu	ue 440 Passion	A		5		0	15		Automatic	-		•								О						
Uniqu	ie 440 In-the-Ear	D,E		5		0	15		Automatic	-			-	-						О			-			-
Uniqu	ie 440 CIC	C		5		0	15	•				•	•	-			-			О					-	-
Uniqu	ie 440 CIC Micro	C		1			15							•			•									

\*\*RIC 10

### **BATTERY BASICS**

Batteries pictured are actual size. The battery size that is specified for your hearing aids is dictated by shell style and circuitry options. Ask your hearing professional for more information about what you can expect from hearing aid batteries.



Battery Size 10

Lasts Up To 5 days

Used In CIC, RIC, miniBTE



### SensorineuralIllia solupti

Also known as nerve-type hearing loss, this type of gradually-diminished hearing is commonly associated with the aging process. Due to hair cell (stereocilia) damage within the cochlea, the auditory nerve cannot deliver signals to the brain correctly. This causes sounds to be distorted and certain consonants to be missed.

Patients may complain that people seem to mumble or that they hear but do not understand. Approximately 80 percent of adult patients with complaints of hearing problems suffer from this type of loss. Sensorineural losses may be treated with proper assessment and fitting of hearing aids.

DID YOU KNOW?

Combined Mixed

Tinnitus is the sensation of noise or ringing in the ears when external sound is not present. Hearing loss and tinnitus are closely related. The sound amplification offered by hearing aids can alleviate or reduce the effects of both tinnitus and hearing loss.

### PREMIUM LEVEL COMPARISONS



# Hearing Problems

Hearing problems are grouped according to the location of the damage or defect.

### Conductive

This type of hearing loss occurs when sound is inadequately conducted through the external or middle ear to the inner ear. The overall intensity (loudness) of sound is diminished, but sound clarity is usually intact if sufficient volume is present. Approximately 20 percent of patients with complaints of hearing problems suffer from this type loss. Conductive losses may be helped with hearing aids or medical or surgical intervention. Conductive hearing loss may occur along with sensorineural loss or alone.

# Do you hear but not understand? Here's why...

When the microscopic stereocilia (hair cells) in your cochlea are damaged, they will not send complete signals to your brain, causing you to be unable to understand the consonants within words. For example, the word "bathroom" may sound like "a-oo."

External Ear

Ear Canal

### Eardrum

Middle Ear Bones

**BATHROOM**?



#### **HEALTHY HAIR CELLS** (left)

stand erect and are able to accurately detect sound waves and send sound impulses to the brain.

Cochlea

### DAMAGED HAIR CELLS

(right) are limp, blown-out and will no longer stand erect. They are unable to detect the soft, high-frequency consonant sounds and are therefore unable to send these sound impulses to the brain.



# Get in the Clarity Loop with T-Coils Looping is a technology that greatly improves the listening experience of

hearing aid users with telecoils - at home and in public places.

In places such as auditoriums, classrooms or media rooms, a signal is transmitted through a special amplifier to a hidden wire that surrounds, or "loops," the audience. This wire sends a magnetic signal throughout this zone to anyone's hearing aids equipped with telecoils (t-coils).

A t-coil is a small, inexpensive coil of wire inside a hearing aid that allows it to become a wireless receiver. When using the t-coil setting, you push a button to turn off the microphones so the hearing aids will only pick up the direct electromagnetic signal. This can also be automatic.

Looping plus t-coil technology connects the listener directly to the sound source while most background noise is eliminated, greatly improving understanding of dialogue and music. A universal symbol (right) identifies buildings equipped with looping technology.

How Custom Hearing Aids Are Made

Auditory

Nerve



Several hearing aid manufacturers now employ CAD/CAM (computer aided design + computer aided manufacturing) to produce their custom hearing aid shells. CAD/CAM replaces the labour-intensive lost-wax casting method.

The process begins with a well-made impression of the patient's ear canal. This becomes the original model. The ear impression is placed into the centre of a 3D scanner box where a narrow laser beam scans across the impression from many positions angled inside the scanner box. Thousands of data points are created and a "wire frame" skeleton of the impression is generated. The computer finishes the virtual reproduction and a digital image of the impression appears.

The next step is modelling of the virtual shell to contain the components. Everyone's ear canal is a different size and shape. It takes careful planning to fit all parts into the tiny hearing aid shell. With the virtual hearing aid shell, the technician will experiment with different placements of the digital chip, microphone,



receiver, vent, faceplate, receiver tubing, wax guards, and battery. The best possible fit is achieved in this way.

Production of a hearing aid shell is called "Printing," because the computer "prints" onto the material that is used to make the shell. Layer by layer, 1/10 millimetre at a pass, the hearing aid shell is formed.

Components are installed as the technician inserts the designed-to-fit component module into the shell. Component placement with the conventional lost-wax method many times required hollowing-out the shell with a dental drill until components would all fit.

The benefits of CAD/CAM hearing aid shell production are improved comfort, better acoustics, more gain possible without feedback, eliminates the need for additional ear impressions, uniform shell thickness, increased efficiency in production, perfect placement of components without kinks or pinched wires, and accuracy obtaining an exact replica of the patient's inner ear canal. The result for the patient is a perfect fit.



# Definitions of Hearing Aid Terms

**adaptive directional microphones** - directional microphone system which, when activated, can adapt based on the location of noise.

**adaptive feedback cancellation** - a digital process which creates a filter within the amplifier of the hearing aid to cancel feedback the moment it is detected without reducing or altering the hearing aid's response. The filter will automatically change (or adapt) if the feedback is caused by a different or changing situation.

**ASP (BILL Circuitry)** - stands for Automatic Signal Processing Bass Increases at Low Levels. This circuit also decreases the bass at high levels. BILL circuitry is often marketed under the trademark name "Manhattan" circuit. BILL circuitry is intended for wearers who frequently find themselves in noisy environments, especially environments where low frequency noise is a constant factor. Harsh or shrill sounds are not amplified, but are actually reduced by this circuit.

**ASP (PILL Circuitry)** - stands for Automatic Signal Processing Programmable Increases at Lower Levels. This type of circuitry is more versatile than TILL or BILL circuitry because it can be programmed by computer to automatically perform as a BILL circuit on one channel and a TILL circuit on another. The user can switch between circuits as listening environments change.

**ASP (TILL Circuitry)** - stands for Automatic Signal Processing Treble Increases at Low Levels. This circuit also decreases the high frequency volume at high levels. TILL circuitry is often marketed under the trademark name "K-AMP." TILL circuitry is intended for wearers who need more volume to hear the quiet sounds than they do for loud sounds. Harsh or shrill sounds are not amplified, but pass through the circuit unaltered.

**audiogram** - a graph on which to record the auditory threshold by frequency of a patient's hearing.

audiology - the science or study of hearing.

**audiometry** - the measurement of hearing.

aural - having to do with the ear or hearing.

**auditory nerve** - connects the inner ear and the brain; serves in hearing and balance.

**automatic directional microphones** - directional microphone technology that is automatically engaged or disengaged without user direction.

**automatic signal processing (ASP)** - the family of hearing aid circuits which automatically change the gain (volume) and frequency response (tones such as bass, midrange and treble) as a function of the sound entering the hearing aid microphone.

**BiCROS** - stands for Bilateral Contra-lateral Routing of Signal. A hearing aid with two microphones, one at each ear and one receiver. Used for hearing aid wearer who has one aid-able ear and one that is not aidable.

**Bluetooth® wireless technology** - allows digital hearing instruments to communicate wirelessly.

**body hearing aid** - a hearing aid with a microphone, amplifier, and battery worn on the chest and connected to an ear-worn receiver with a cord.

BTE - a behind-the-ear hearing aid system.

**canal hearing aid** - a custom hearing aid that fits mostly in the ear canal with a small part extending into the concha area.

**class A circuits** - have as their defining feature the characteristic of amplifying loud sounds and quiet sounds with equal intensity. For this reason, some patients may find that class A circuits provide either too little sound or too much sound to comfortably reach a listening comfort for their particular hearing loss. The class A circuit provides basic linear amplification and is found in lower priced hearing aids.

**cochlea** - part of the inner ear that is shaped like a snail. Vibrations in the fluid-filled cochlea cause tiny hair cells to vibrate and generate nerve impulses that then travel to the brain.

**completely-in-the-canal hearing aid (CIC)** - one of the smallest hearing aids which fits beyond the visual opening of the ear canal. Also called deep canal hearing aid.

**compression amplification** - has as its defining feature the characteristic of decreasing (or compressing) volume as the loudness of sound increases at the hearing aid user's ear. The goal of compression amplification is to deliver a more natural loudness throughout the wearer's entire listening range without under-amplification or over-amplification.

**CROS** - stands for Contra-lateral Routing of Signal. A hearing aid designed for a person with normal hearing in one ear and an unaidable ear on the other side.

**dB** - decibel, a unit for measuring and describing sound intensity or loudness; named after Alexander Graham Bell.

**digital hearing aid** - an instrument that converts the electric signal from the microphone to digital values for processing, then converts them back to electric signals for the ear.

**direct audio input** - the hearing aid has a jack to receive sound directly from another device such as a TV or personal entertainment system.

**directional microphone** - a microphone that is more sensitive to sound approaching from one direction.

**dynamic range** - the difference in dB between the threshold of hearing and discomfort level.

**ear mould** - an impression of your ear canal used to mould the shell of the hearing aid. It is made using silicone or other impression material.

**ear-to-ear** - when two hearing aids communicate between each other. For example, when you change the channel or volume on one hearing aid, it automatically adjusts the other as well.

**expansion technology** - a digital process which allows the hearing aid to provide less gain for sounds that are softer than conversational speech. This improves the quality of sound from the hearing aid when worn in quiet situations by reducing low level noise.

**extended wear** - a hearing aid that can be left in for a long period of time, usually several weeks to a month.

**external receiver** - an instrument design which features a processor worn behind the ear and a speaker inserted in the ear canal.

**feedback** - the squeal produced when sound that has been amplified is picked up by the microphone and re-amplified in a loop.

**filter** - a device that allows some frequencies to pass through while others are attenuated (as in high pass, low pass, band pass, high cut, low cut).

**FM integration** - the hearing aid contains an FM receiver to pick up signals from an FM transmitter. There is no additional hardware to plug into the hearing aid. The transmitter can be given to a speaker at a lecture or in a noisy situation in order to isolate the speaker's voice.

**frequency** - the number of complete oscillations per unit of time, measured in number of cycles per second and expressed in Hertz (Hz).

gain - the amount in dB that the sound has been increased.

**gain control** - a device which allows the gain to be adjusted (such as volume control or potentiometer).

**gain reduction**- used in multi-channel hearing aids to automatically lower the gain in a specific channel in order to control feedback.

**hearing aid** - also called hearing instrument, means any wearable instrument or device designed for, or represented as, aiding, improving or correcting defective human hearing.

**helix** - shell style with a free field design allowing for maximum venting of the ear canal.

**high pass filter** - a filter which allows high frequencies to pass through and attenuates low frequencies.

**impulse sound management** - Isolates sudden, jarring noises and tones them down without effecting normal sound ranges.

**Induction Loop System (loop)**- the broadcasting end of a system that enables people using hearing aids (with a telecoil) to hear sound projected in theatres, cinemas, auditoriums, etc. that are equipped with an induction loop system.

**in-the-ear hearing aid (ITE)** - a custom hearing aid which fits entirely in the concha bowl of the ear (same as full shell).

in-the-canal hearing aid (ITC) - same as canal hearing aid.

**invisible-in-the-canal (IIC)** - ultra small hearing aid designed to fit deep in the ear canal, completely out of sight.

**K-AMP circuit (TILL)** - causes the Treble to Increase at Low Levels and to decrease at high levels. Named after its inventor, Dr. Mead Killion, this circuit is designed to amplify more in quiet environments and less in loud environments. It was designed for people who need amplification for soft sounds but who hear loud sounds normally. The K-AMP circuit regulates the volume automatically and does not amplify loud sounds.

**knee-point** - also called compression threshold. It is the point, in sound decibels, that a compression circuit begins to reduce the gain. Some circuits allow this point to be digitally programmed, being customized to the user's need.

**limiting compression circuits** - automatically limit volume as it enters the hearing aid microphone. This circuit is designed for patients who have mild to moderately severe, sharply or gently sloping high frequency and flat losses.

**linearity** - the condition where a change in input level causes a similar change in output.

**low pass filter** - a filter that allows low frequencies to pass through and attenuates high frequencies.

**low profile** – shell size of hearing aid that is between the full ITE and the half shell.

**mixed hearing loss** - a hearing loss which is a combination of conductive and sensorineural impairments.

**multi-channel adaptive directional microphones** - an adaptive directional microphone system which can manage multiple sound sources at the same time.

multiple directional microphone - see omni-directional microphone.

**multi-channel technology** - technology which electronically separates the incoming sound into bands and adjusts the sound intensity in each band independently. The benefit is a hearing aid that more finely tailors the frequency response and compression characteristics to each user's unique hearing needs.

**narrow band filter** - a filter which allows a specific restricted frequency range to pass through while attenuating adjacent frequencies on each side of the filter.

**noise management** - a digital process which automatically alters the response of the hearing aid in a noisy situation in order to ensure the listener's comfort.

**non-programmable multi-channel** - technology which electronically separates the incoming sound into bands and adjusts the sound intensity in each band independently. The benefit is a hearing aid that more finely tailors the frequency response and compression characteristics to each user's unique hearing needs. These hearing aids are adjusted manually by a potentiometer.

**omni-directional microphone** - also called multiple directional microphone. A microphone which picks up sound from all directions.

open-fit - a class of hearing aids that do not occlude the ear canal.

**potentiometer** - a volume wheel or screw set control which allows for fine adjustments to a hearing aid.

presbycusis - a sensorineural hearing loss related to aging.

**probe microphone** - a microphone inserted into the ear canal prior to the hearing aid which is used in Real-Ear testing.

**programmable circuitry** - a feature which allows the hearing aid to be digitally programmed using a computer. Advantages are preciseness of electro-acoustic adjustments at the time of the fitting and ease of access to different types of signal processing algorithms for different listening conditions.

**ratio (compression ratio)** - the degree to which loud sounds are reduced. It is a ratio relationship, A:B, where A is the amount of original gain into the hearing aid and B is the amount of gain applied after compression.

**real ear testing** - the measurement of sound in the ear canal by means of a probe tube and computerized equipment.

**rechargeable** - a hearing instrument designed with a rechargeable battery.

**receiver-in-canal (RIC)** - a behind-the-ear hearing aid employing a separate speaker worn in the ear canal and connected with a thin wire.

**remote volume control** - wireless, remote control device that allows the user to adjust the hearing aid.

**speech discrimination** - a test which measures the subject's ability to distinguish words.

**speech recognition threshold (SRT)** - the lowest level at which the subject can correctly repeat spondaic (two syllable) words.

**static feedback cancellation** - a digital process which creates a filter in the hearing aid amplifier and is programmed into the hearing aid during the fitting. The filter cancels feedback that is occurring at that time. The filter will continue to cancel feedback that occurs in the same situation, but will not adapt to changing situations.

**telecoil (t-coil)** - a small, inexpensive coil of wire inside a hearing aid that allows it to become a wireless receiver. When using the t-coil setting, you push a button to turn off the microphones so the hearing aids will only pick up the direct electromagnetic signal. This process can also happen automatically.

**threshold** - the level above which the subject gives a positive response and below which the subject does not give a response.

**tinnitus** - the sensation of noise or ringing in the ears when an external sound is not present.

**toggle** - a switch on a hearing aid that allows the user to employ different memories for different listening situations. One memory might be set for a quiet office, while another may be set for a noisy restaurant.

**tympanogram** - a graphical representation of the changes in acoustic emittance of the middle ear in response to changes in pressure.

**tympanometry** - the measurement of sound flowing through the middle ear in response to changes in pressure.

variable release compression - compression technology which reduces volume in loud circumstances continuously until the sound falls below a predetermined decibel level. With a long, loud sound, release is delayed based on the decibel level entering the hearing aid. The benefit is that it virtually eliminates the "pumping" sound associated with peak clipping in more primitive compression circuits. This circuit helps the user obtain comfortable listening in various levels of noise.

**vent** - a hole drilled the length of an ear mould or ITE shell to allow sound to escape and relieve pressure in the ear canal.

**video otoscope** - a miniaturised camera that the hearing professional inserts into the subject's ear to view and photograph the ear canal and eardrum.

**wireless technology** - technology that allows digital hearing aids to wirelessly communicate information.

# Consumer's Guide To **HEARING AIDS**



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