

Bringing **COLOR** to Sound



*The NEW
Look In
High-Tech
Hearing*

PAC™
HEARING SYSTEMS

SEBOTEK™

www.SeboTek.com

PAC - a NEW style of hearing instrument

THE PAC CONCEPT

The basic concept of Post Auricular Canal (PAC) hearing instruments is actually very simple - separation of the sound processor and the speaker. PAC's unique design makes deep canal fittings comfortable and practical. The sound processor fits in the small pocket above the ear. The speaker, located inside the Ultra Soft Tip, is the only component that must fit in the ear canal. This drastically minimizes the physical size of the portion that fits inside the ear canal, which reduces the occlusion effect and enhances user comfort.



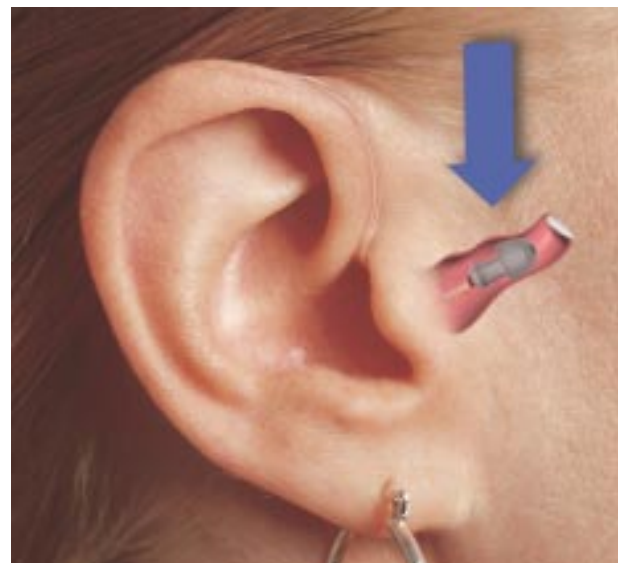
INCREDIBLY DISCREET

- Discreet style for mild to severe hearing loss
- Sound Processor is hidden behind the ear
- Clear Speaker Link conforms to skin color, making it virtually invisible
- Speaker Module fits deeply in the ear canal

Often, people are resistant to wearing hearing instruments because of appearance. The cosmetic appeal of the PAC is that its design makes it virtually invisible. The separation of the components means two smaller modules instead of one large instrument. The Speaker Link follows the natural curve of the ear and practically disappears against the skin. Your patients will tell you, "No one can tell I'm wearing it!"

THE PAC ACOUSTIC ADVANTAGE

- Increased sound pressure
- Less feedback
- Reduced occlusion effect
- Improved sound quality



Leading acoustical engineers and clinical researchers have proven that deep canal fittings provide several major benefits. One advantage of deep canal fittings is the reduction or elimination of the "occlusion effect," often described as a "head-in-a-barrel" sound. In a typical hearing aid fitting, the occlusion effect is obvious. However, as the PAC's Ultra Soft Tip slides past the second bend of the ear canal, sound quality dramatically improves, and the occlusion effect is significantly reduced or eliminated.

Another acoustical benefit is the increased sound pressure, especially in the higher frequencies. Effective sound pressure doubles as canal volume is halved. As the Ultra Soft Tip is inserted deeper into the canal, the patient will perceive a notable increase in loudness. The result is that the small PAC design can successfully fit a very wide range of hearing losses.

One of the more obvious benefits of the PAC is reduced feedback. It is known that acoustic feedback is the result of an amplified sound being reamplified, and mechanical feedback occurs when components are placed too close together. By separating the sound processor from the speaker, feedback is much easier to control.

COMFORT AND WEARABILITY

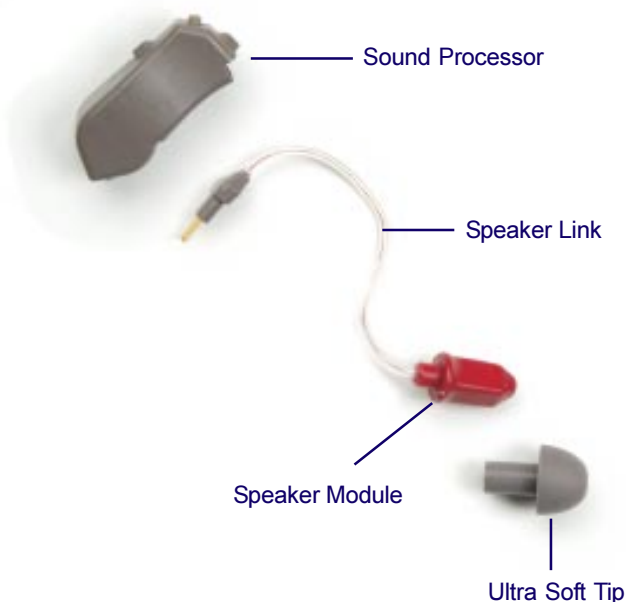
- Ultra soft silicone
- Minimum contact with ear canal
- Increased comfort

The practical challenge for deep canal fittings has always been user comfort. Hard plastic shells fitting past the second canal bend can be uncomfortable because the bony portion of the ear is extremely sensitive. This can make deep fitting instruments uncomfortable for many users. The PAC's Ultra Soft Tip is made with our exclusive, very soft and flexible silicone and, once inserted, is virtually unnoticed by the wearer.

IN-OFFICE REPAIRS WITHIN SECONDS

- Unique modular design
- In-Office speaker replacement

The most common repair in traditional hearing instruments is speaker replacement. This meant the patient went home without their hearing instrument. With the new modular design of the PAC, you can now easily do these repairs in your office, and your patient will no longer have to spend days or weeks without their hearing help.



SAME-DAY FITTING AND DEMONSTRATION

- Same day fittings
- Instant fit design



The unique design of the PAC gives hearing professionals the opportunity to offer services not available with traditional dispensing offices. Same day fittings deliver instant gratification. Instant fit design lets prospects demo PAC instruments during consultation with their hearing professional.

PAC
A NEW
style of
hearing
instrument!



With reduced feedback, less occlusion effect, increased overall sound pressure, comfortable deep canal fittings and numerous other benefits, patient acceptance and satisfaction will rise to a new level in hearing health care.

About the PAC

VOICE-Q™ DIGITAL SOUND PROCESSOR

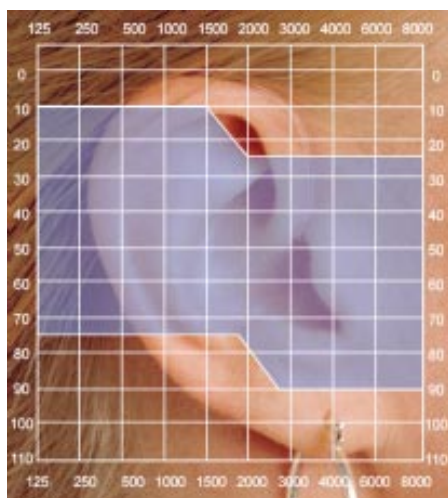
- Multi-setting Switch with 4 user memories
- Programmable Directional Microphones
- Programmable T-Coil
- Discreet & lightweight
- #13 Battery
- 4 channel (WDRC) compression
- Low battery indicator
- Expansion

SPEAKER LINK

- Virtually invisible
- Dispenser replaceable
- High fidelity/high power speaker
- Multiple lengths

ULTRA SOFT TIP

- Bio-compatible, medical grade silicone
- Dispenser replaceable
- Multiple sizes
- Comfort design
- Cerumen resistant design



TECHNICAL SPECIFICATIONS

	PAC	
	CIC	2CC
Output		
OSPL 90	134 dB	116 dB
High Frequency Average	128 dB	109 dB
Gain (50 dB SPL input)		
Maximum	56 dB	40 dB
High Frequency Average	49 dB	30 dB
Battery Drain - RTP	1.1 ma	
Total Harmonic Distortion	Less than 5% THD	

2323 South Sheridan • Tulsa, Oklahoma 74129
Phone: 800-388-9041

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