

Technology	Feature	Potential Benefit
Dual Microphone with digital directional phasing.	Makes the microphone programmable to be more or less directional.	Use it in noisy environments to hear the person you are facing better.
Multi-band digital filters.	<ol style="list-style-type: none"> 1. Allows hearing aid to compensate more precisely for your hearing loss curve. 2. Allows programming to suppress background sounds outside the voice spectrum. 	<ol style="list-style-type: none"> 1. The balance between highs and lows in voice and music sounds more natural. 2. Hearing aid may be adjusted by user (or automatically) to tune out unwanted sounds such as the drone of air conditioning.
Smart phone app for control of hearing aids.	Phone communicates with hearing aid to adjust it for your preferences and the circumstances.	Although buttons on the hearing aid may provide this sort of control, the app is self-explanatory and needs little or not practice to use. It may give more nuanced control.
Multiple automatic digital high-Q notch filters.	Suppresses whistling (feedback) when sound from the transducer in your ear canal reaches the microphone on the hearing aid.	Your friends won't hear that loud squeal coming from your hearing aid, and your hearing aid won't be desensitized by it.
Accessories to couple sound from personal gear to the hearing aid.	The output of an smart phone, MP3 player, or hearing assist device can be transmitted direct to the hearing aid bypassing the microphone(s).	Gives better clarity and reduced interference from ambient sounds so you hear and understand what's said. Allows you to take advantage of devices such as the Williams FM receivers used by many theaters and houses of worship.
Rechargeable battery option	Arthritis and bad eyesight can make changing those tiny batteries a chore.	You don't have to fuss with the hearing aids. Take 'em off at night and put them in the charger, put 'em on in the morning.
Tele-coil	A magnetic pickup that bypasses the microphone. Some theaters are equipped with listening aids that couple magnetically to hearing aids. Old (c 1960) phones have receivers that work with telecoil hearing aids.	Gives better clarity and reduced interference from ambient sounds so you hear and understand what's said, but only where the equipment is installed and operating to create the magnetic signal. Pennswood has neck lanyards that generate this when connected to the Williams hearing assist radios.
"Shot-gun" microphone	An external highly directional pencil-shaped mic that you point at the person you wish to hear.	Allows you to select the sound source you need to hear over the ambient noise of the room or location.