

## Digital Hearing Aids

The term DIGITAL is used so often today, it can be confusing. When the term "digital" is used while referring to hearing aids, it generally means the hearing aid is 100% digital. In other words, the hearing aid is indeed a "complete computer". 100% digital hearing aids have been commercially available since 1996 and are wonders of modern technology. 100% digital hearing aids can process sound using incredibly fast speeds such as 100 to 200 million calculations per second. Interestingly, most 100% digital hearing aids have analog components, such as the microphone and the receiver. 100% digital hearing aids transform analog information into a digital signal and process the sound to maximize the speech information you want to hear, while minimizing the amplification of sounds you do not want to hear.

Digital technology is tremendous and it allows the audiologist maximal control over the sound quality and loudness of the hearing aid. Importantly, digital technology allows the audiologist to tailor or customize the sound of your hearing aids to what you need and want to hear. In summary, if you want the best technology-- get 100% digital hearing aids.