



Hearing Aid Technology

Advancements in digital
hearing technology.



Chime Technology

Chime is the National Charity for Deafness and Hearing Loss. For over fifty years, we have championed for equal rights, greater accessibility and opportunities for individuals with deafness and hearing loss. While our name has changed, our focus and values have not. We remain dedicated to a society where deafness and hearing loss doesn't hold back an individual's potential, personal choice or quality of life.

Chime give you access to the latest technologies including LifeTech and EduTech, and Hearing Aids. Visit our website to browse through a range of technology products designed to help you live a life unlimited. Or call into your nearest local Chime resource centre and chat with one of our friendly tech support team members.



Hearing Aid Technology

Hearing aid technology has changed dramatically with the miniaturisation of computer processors. Tiny digital processors are now used as the brains of digital hearing aids – responsible for sorting, processing and even prioritising sounds from the environment to your ear. Microtechnology has given manufacturers the ability to make hearing aids smaller, more powerful, and more effective than ever. Digital hearing technology has made analogue technology more or less obsolete, and most manufacturers are phasing out analogue technology.

Modern digital hearing aids are sophisticated, state-of-the-art instruments with many different benefits and features. Processors used in digital hearing technology use complex mathematical equations to recognize types of sound inputs, process sounds (by increasing or decreasing the volume), and deliver modified sounds adjusted to match the hearing loss of the wearer. This is called digital signal processing. Digital hearing aids are so precise, they can be individually programmed to amplify certain pitch ranges according to your audiogram – or to recognise differences in consonants in speech, such as "sh" in "rash" instead of "t" as in "sat."

Digital hearing aids have the ability to automatically detect and adjust according to the environment you are in, such as a library or a noisy restaurant, and automatically adjust to the appropriate setting for that environment. Overall, digital hearing aids deliver higher performance than ever before.