

Hearing aids and connectivity



Hearing aid connectivity refers to the ability of hearing aids to connect to other electronic devices such as smartphones or a TV. Technologies that enable wireless connectivity include Wi-Fi, Bluetooth, FM systems, and telecoils.

Connectivity Features

Modern Bluetooth hearing aids offer universal connectivity, enabling hands-free phone calls from iOS or Android devices, and delivering stereo sound quality streaming for TV, music, videos, e-books, podcasts and more.



TV streaming in stereo sound quality

With accessories like Phonak TV Connector that are plugged into the back of the TV, stereo sound can be streamed directly to the hearing aids – even to multiple hearing aids simultaneously, if several hearing aid users are watching TV together.



Hands-free phone calls

Answer or reject phone calls with a simple press of a button on their hearing aid. The user's voice is picked up by the hearing aids and transmitted to the caller, like with a wireless headset. The caller's audio can be received on both hearing aids, without having to physically touch the phone.



Listening to music, videos, e-books, podcasts and more

Streaming music on Spotify, enjoying an audiobook, or listening to the latest podcast: by simply enabling the Bluetooth feature on their smartphone, and then pairing their hearing aids to the phone, hearing aid users can enjoy stereo sound quality for all their favorite content.

Benefits of wireless connectivity in hearing aids



Sound quality: Ambient noise can make it difficult for hearing aid users to detect sounds in some situations. Wireless accessories bypass the hearing aid microphone entirely and send sound information through the air to the receiver. The receiver then converts incoming electromagnetic information into electrical signals sent to the speaker, bypassing the background noise entirely.



Convenience: Wireless connectivity helps to make hearing aid users' lives more seamless when connecting to their digital ecosystem. Hearing aids that connect to the internet open up opportunities and potentially enhance quality of life.



Localization: Hearing aids use wireless connectivity for communicating with third-party devices and each other. The ability to rapidly communicate with each other for example, can enhance the availability of sound localization information.



Wireless connectivity enables convenience features like hands-free calls, audio, and video streaming and simultaneously provides an improvement in signal to noise ratio and localization information.