Imagine yourself as a person with hearing loss attending your place of worship. As you struggle to hear, which of these two hearing solutions would you prefer?

1. To take the initiative to get up, go locate, check out, wear, and return special equipment (often a conspicuous headset that is incompatible with your hearing aids)? Or,

2. To simply push a button that transforms your aids or cochlear implant into a wireless, in-the-ear loudspeaker that broadcasts sound customized to your own hearing loss?

Solution 1—the hearing aid incompatible solution—has been the prevalent assistive listening technology in America’s worship places and theatres. Solution 2—the hearing aid compatible solution—has spread throughout the United Kingdom, across the Nordic countries, and now is being adopted in several states, including by several hundred Michigan churches.

The simple “hearing loop” technology takes a feed from a PA system and transmits it through a wire loop surrounding the worshipers. The loop projects a magnetic signal to an inexpensive “telecoil” receiver, now found in a growing number—60 percent—of new hearing aids (even more among people most...
The move to making future assistive listening installations hearing aid compatible is gaining momentum:

- The California, Michigan, Wisconsin, and New Mexico hearing loss associations are now advocating hearing loops. “In all new and extensively remodeled buildings, wherever there is a public address system, a loop should be permanently installed,” declared the California Hearing Loss Association. “When there is a loop, all a hard-of-hearing person has to do to be able to hear is click on the T-switches on their hearing aids.”
- Local hearing loop initiatives are underway in Albuquerque, Tucson, Silicon Valley, central Wisconsin and elsewhere.
- Michigan’s second largest airport, in Grand Rapids, now offers the technology throughout both its concourses and in all gate areas.
- A national service organization, Sertoma (“SERvice TO Mankind”) announced in 2010 that it will be promoting the installation of hearing loops throughout its 540 clubs nationwide.
- Several new companies have begun manufacturing and marketing hearing loop equipment and training audio professionals in its installation (see hearingloop.org/vendors.htm).
- New York City Transit, with a nudge from the Hearing Access Program and using federal stimulus monies, is installing hearing loops at 488 subway information booths.
- Scientific American reported on the move to hearing loops in its January, 2010 issue.
- The first international “Hearing Loops” conference, hosted in late 2009 by the European Federation of Hard of Hearing People (www.efhoh.org) for attendees from 15 countries, adopted a resolution recommending that “Venues and service points where sound is broadcast shall offer assistive listening, such as induction loop systems designed to the IEC 60118-4:2006 standard, which broadcast sound directly to hearing aids and cochlear implants, enabling them to serve as customized, wireless loudspeakers (without the need for extra equipment).”

From TECHNOLOGIES FOR WORSHIP (and tfwm.com), May, 2010, with permission

**SYSTEMS THAT WORK**

As experts in the design of Audio, Video, Acoustics and Lighting systems, we understand the specific needs and appropriate technologies for houses of worship. K2 Audio is committed to designing a solution that works for you.

K2 AUDIO

CONSULTANTS IN AUDIO VIDEO AND ACOUSTICS

303.865.5500  www.k2audio.com

May 2010
There are many advantages to hearing aid compatible loop systems. For example, many hearing aids now come with a mic + telecoil (M/T) setting that enables one to hear sound from nearby people singing or speaking while simultaneously receiving direct PA system input. Additionally, sound broadcast by one’s own hearing instrument is contained in one’s ear, without bothering others nearby. Moreover, there is no need to juggle between headsets and hearing aids (during, say, a worship service). There are no hygienic concerns about putting in or on one’s ear what has been around others’ ears. And most importantly, when not hearing well, people need only activate their telecoils. There’s no need to get up, seek out, and wear conspicuous equipment (which, as TFWM readers have likely noticed, few people with hearing loss take the initiative to do).

Wisconsin audiologist Juliette Sterkens and her engineer husband Max Mayfield have recently installed hearing loops in 30 Wisconsin churches, with gratifying responses, sometimes spoken through tears. The following is a list of testimonials they have heard.

“What I experienced last Sunday was nothing short of a miracle. For the very first time in many, many years I was able to hear every single word said in church along with every note of music. I cannot express my thankfulness in words. It was truly one of my most memorable moments in my life and I felt ‘normal.’”

“I took my mother to Mass. In her words, ‘I could hear every word, and this is the first time that’s happened in years.’ She went on to say how much more she got out of the service and realized how much she had been missing.”

One skeptic from another state undertook due diligence to assess the suitability of a hearing loop for his own church:

“I can certainly attest to the spread of the loop system in Michigan. Before we installed our [church’s] system I telephoned a number of facilities listed by a loop vendor as having installed such a system. I was amazed to discover that not a single installed site had anything but vociferous praise for the product! One would expect at least one naysayer in a group that large (22). But there was not a single one!”

As we approach a tipping point where hearing loops become the accepted user-friendly assistive listening technology, we can take satisfaction in knowing that churches are leading the culture. As they enable their people to better hear the word, worship centers are also enabling people to glimpse a future in which hearing instruments have doubled functionality— as not only microphone amplifiers, but also as customized, wireless loudspeakers.

Hope College social psychologist David G. Myers has written two dozen articles advocating the coming transformation in American assistive listening. He has also created hearingloop.org and authored ‘A Quiet World: Living with Hearing Loss’ (Yale University Press).