



# Assistive Technology Solutions for Students who are Deaf/Hard of Hearing

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Many times students can use their hearing aids effectively in a quiet environment, but when they are placed in a classroom, the teacher's voice becomes muffled from the background noise, room echo and distance. Assistive listening devices (ALD) use a microphone positioned close to the instructor's mouth and a small transmitter to send the instructor's voice to the receiver worn by the student. By placing the microphone close to the instructor's mouth, assistive listening systems can provide clear sound over distances, eliminate echoes, and reduce surrounding noises.

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## Amplification Products

**FM Systems:** An FM system is a wireless, portable, battery-operated device that uses radio transmission to send auditory signals. The instructor wears a lavalier microphone connected to a small transmitter. The student wears a clip-on receiver, and either headphones or an induction loop around their neck. If the student's hearing aid has a t-coil, an external receiver may not be necessary.

Product	Vendor	Website
Personal ALD	Comtek	<a href="http://www.comtek.com">www.comtek.com</a>
Personal ALD	WilliamsSound	<a href="http://www.williamssound.com">www.williamssound.com</a>
Phonak	Phonak Hearing Systems	<a href="http://www.phonak.com">www.phonak.com</a>
Phonic Ear	Phonic Ear	<a href="http://www.phonicear.com">www.phonicear.com</a>
Clipboard Induction Loop	Vivid Acoustics	<a href="http://www.vivid-acoustics.com">www.vivid-acoustics.com</a>
Pocketalker Pro	Williams Sound	<a href="http://www.williamssound.com">www.williamssound.com</a>

## Daily Living Products

### HEARMORE.com

Extensive inventory: includes alerting systems, communication devices, computer products, electronics, videos, books, watches and clocks. [www.hearmore.com](http://www.hearmore.com)

### Independent Living Aids

Extensive equipment line geared towards promoting independence and an activity lifestyle. ILA's product line includes: specially adapted low vision aids, tools and technology including canes, magnifiers, talking watches, talking clocks, large print books, magnification software, Braille products, & talking cooking gadgets [www.independentliving.com/](http://www.independentliving.com/)

# Resources & Services

## Assistive Listening System Library Loan Program

For people who want to try an assistive listening device, or for organizations that need to use one for a specific event, the Deaf and Hard of Hearing Awareness Program at the New Jersey Library for the Blind and Physically Handicapped lends assistive listening devices for up to one month. The devices are available at several NJ public libraries. [www.njlhb.org/assistive.html](http://www.njlhb.org/assistive.html)

## C-Print

C-Print ® is a speech-to-text system developed at the National Technical Institute for the Deaf (NTID), at Rochester Institute of Technology (RIT), for deaf and hard-of-hearing students in educational environments. The basis of C-Print is printed text of spoken English displayed in real time, which is a proven and appropriate means of acquiring information for some individuals who are deaf or hard-of-hearing. [www.ntid.rit.edu/cprint/what\\_cprint.php](http://www.ntid.rit.edu/cprint/what_cprint.php)

## Notetaker Online Training

C-Print online training is a distance education program designed to give individuals the core preparation for providing speech-to-text services. The training incorporates a variety of topics that are essential for promoting success, not only for the captionist, but also for the client receiving services. The skill-building portion of the program includes training in a newly modified C-Print abbreviation system, condensing strategies, preparing real-time text and notes, and in using voice with automatic speech recognition to input text. [www.ntid.rit.edu/cprint/captionist\\_online\\_training.php](http://www.ntid.rit.edu/cprint/captionist_online_training.php)

## CART

Computer Aided Realtime Translation is the instant translation of the spoken word into English text performed by a CART reporter using a stenotype machine, notebook computer and realtime software. The text is then displayed on a computer monitor or other display device for the student who is deaf or hard of hearing to read.

## Deaf and Hard of Hearing Assistive Device Demonstration Center

At the centers, people who are deaf, hard of hearing, late-deafened, or deaf-blind can receive hands-on training/demonstrations on how to use equipment such as talking alarm clocks, vibrating or blinking door beacons, smoke detectors, phone flashers, baby cry signalers, and wireless pagers. The Center also holds Demo-Days on a quarterly basis for the public. (800) 792-8339