



Why Gentner is the best system for the hearing impaired

There's a misperception about hearing loss that often gets in the way of choosing a good assistive listening system. That misnomer is that the hearing impaired simply need higher volumes to hear properly.

That's not the case. Most hard of hearing people have problems only in certain frequencies: usually in the 2,000 - 5,000 Hz range. That means they have trouble distinguishing fricative sounds like *v* and *f*, hard consonants like *k* and *t*, and sibilants like *s*. The result is not low-level sound but confusing sound.

For this reason, any system that simply raises the volume—a tour guide system, for instance—is not appropriate for the hearing impaired. And the specifications that sound contractors usually rely on—signal to noise ratio and dynamic range—do not really apply in this case.

What's needed is a system that can supplement the house sound system, relying on the house sound for overall volume and dynamics, but enhancing the missing frequencies.

The Gentner ALS system, which is designed specifically for partial hearing loss, clarifies the house sound by reinforcing certain frequencies. Its multiband compressor and Aphex Aural Exciter® increase the perceived brightness of these frequencies and thus raise the intelligibility of speech. It is the best system available for use with the hearing impaired.

Accessories



Single and Dual Earbuds

A single earbud comes standard with each receiver and is used for mild or unilateral (one-sided) hearing impairments. #910-402-101

The dual earbud delivers audio to both ears and is recommended for users with mild to moderate hearing impairments. #910-402-102



Ear Cushions

Replacement ear cushions are available to maintain sanitary conditions after public use.

For Earbuds (shown above)
#910-402-102P

For Mono headphone
#910-402-110P



BC-10A Battery Charger

The BC-10A trickle charges up to ten Gentner receivers or portable transmitters at a time (using Ni-Cad batteries only). This eliminates the burden of replacing alkaline batteries. LED status indicators show charging status of each slot. #910-402-050



ADA Requirement Plaque

The ADA Requirement Plaque displays the availability of Gentner Assistive Listening Systems and can easily be mounted for people to see. (6"W x 4"H) #460-402-001



Dynamic Earbud

The dynamic earphone can produce sound pressure levels of more than 130 dB for users with severe to profound hearing impairments. #910-402-104



Adjustable Headset Boom Microphone

Comfortably adjusts to each user of the Venture-Express and PTX portable transmitters. The unidirectional pickup minimizes background noise by providing excellent voice clarity. #910-402-109



Single Rack Mount Kit

To keep your system organized in an equipment rack, Gentner offers a rack mount kit. Each kit fits one Gentner Transmitter into a standard 19 inch equipment rack, and consists of two metal components that fit on each side of the transmitter. #910-402-202



ADA Requirement Window Sticker

The ADA Requirement Window Sticker adheres to the inside of a window, displaying the availability of Gentner Assistive Listening Systems. (5"W x 3"H) #460-402-002



Ear Speaker

The ear speaker slips directly over the user's ear, providing high quality sound with a smooth, easy-to-clean surface. The output level is satisfactory for those with low to moderate impairments. #910-402-100



Telecoil Neck Loop

The telecoil neck loop is an inductive listening aid designed for hearing aid users. It is worn around the neck to transmit the electro-magnetic energy of the audio signal to the hearing aid. The neck loop is compatible with any hearing aid equipped with a telecoil. #910-402-105



Lavalier Mic

The Lavalier microphone comes standard with the Venture-Express and PTX portable transmitters. It easily clips to the lapel or collar for hands free transmission of spoken audio. #910-402-106



Headphones

The large drivers in the mono headphone deliver clear, intelligible sound in an over-the-head design. The headphone may be worn over ITE hearing aids and is used for mild to moderate hearing impairment. #910-402-103



Neck Strap

The receiver attaches easily to the neck strap, which is worn around the neck, keeping the user's hands free. #460-402-004



Tweaking Tool

The plastic tool is ideal for fine tuning of receivers. Available in set of five. #460-402-013

Gentner
A Starin Company

Starin, 1531 South Calumet Road, Chesterton, IN 46304 USA
(219) 929-4127 Fax: (219) 929-4377 www.GentnerALS.com

©2004 Starin. All rights reserved. Gentner and the Gentner logo are registered trademarks, and Starin is a trademark of Starin in the US and other countries. Features, specifications, and descriptions are accurate as of this printing. Starin reserves the right to modify this information without prior notice or obligation. 803-402-001

Assistive Listening Systems

FOR THE HEARING IMPAIRED, GUIDED TOURS AND LANGUAGE INTERPRETATION



Gentner
A Starin Company

Assistive Listening Systems

PRODUCT	DESCRIPTION	FEATURES/BENEFITS
TX-37A Transmitter 	<p>The TX-37A is field tunable to 37 of the FCC approved channels for ALS. Its universal input accepts mic level, balanced and unbalanced line levels, and speaker level. Signal strength is adjustable to quarter power, half power, or full power. Audio processing eliminates clipping and over-modulation while providing superior sound quality, increased intelligibility, and dynamics control. #910-402-010</p>	<ul style="list-style-type: none"> • 500 foot range • Universal input accepts a variety of audio sources • Transmits on 37 FCC approved frequencies for RF (radio frequency) assistive listening • Built-in test tone for quick and easy receiver tuning • Small size (just 1/2 rack unit chassis)
PTX Transmitter 	<p>The PTX portable transmitter is easily carried anywhere hearing assistance is needed. Schools, houses of worship, speech/language therapy, and museums are just a few examples of PTX applications. It is tunable at the touch of a button, and has six memory recall buttons for quick access to frequently used channels. The PTX can be recharged using the BC-10A battery charger (not included). #910-402-011</p>	<ul style="list-style-type: none"> • User-tunable to 37 frequencies, with six easy-to-use presets • Lavalier microphone included • Microphone mute • Inputs: mic, line, and mic/line mix • Uses two AA batteries (alkaline or Ni-Cad) • Portable and easy to carry: clips on to belt • Range: 50 feet
Digital-1 Receiver 	<p>Rather than just increasing volume for the hearing impaired, make the audio more intelligible with the Digital-1 receiver. Using digital channel selection, the Digital-1 ensures the receiver will stay locked on to a particular frequency regardless of normal changes in humidity, temperature, or rough handling. And the Digital-1 is field channel selectable to all 37 FCC approved assistive listening frequencies. #910-402-003</p>	<ul style="list-style-type: none"> • Digitally tuned to lock on to desired frequency • Extra-long battery life with two AA batteries • Large ON/OFF/VOLUME control • Superior quality audio • Convenient to use and easy to carry • Field tunable to all FM assistive listening channels
Digital-6 Receiver 	<p>Ideal for multi-room applications such as movie theaters, the Digital-6 is able to receive any of six preset channels. That means you can have up to six separate audio sources transmitting on different frequencies, and users need only turn the dial to switch between them. The Digital-6 provides the best sound quality for hearing assistance and you can select any of the 37 FCC approved assistive listening channels digitally. #910-402-007</p>	<ul style="list-style-type: none"> • Digitally tuned to lock on to desired frequency • Long battery life with two AA batteries • Six user-selectable preset channels to easily switch between audio sources • Superior quality audio • Convenient, easy to carry, discreet • Field tunable to all FM assistive listening channels
SRX Speaker Receiver 	<p>When your assistive listening applications require amplified sound, just switch on the SRX. It's wireless and battery operated, so you can place it anywhere. Like our other receivers, the SRX is field tunable across the 37 FCC approved frequencies for RF assistive listening. It is powered by six C size batteries or an included AC adapter. #910-402-009</p>	<ul style="list-style-type: none"> • Wireless and battery operated, locate anywhere • Field tunable to all RF assistive listening frequencies • Easy to use • Use with alkaline or rechargeable Ni-Cad batteries • Maximum output power is 10 watts (5 watts RMS)
RX-1A Receiver 	<p>Users appreciate the small, elegant design of the RX-1A receiver, its high quality sound, and ease of use. The large top-mounted on/off volume control is easily controlled by the elderly or those with physical limitations. The receiver is field-tunable across the FCC approved frequencies for RF assistive listening. #910-402-002</p>	<ul style="list-style-type: none"> • Easy to use • Low cost • Superior audio quality • Field tunable to all RF assistive listening frequencies • RF system works outdoors and in bright light • Long battery life with two AA cells • Convenient, easy to carry, discreet

Tour Guide & Language Interpretation Systems

PRODUCT	DESCRIPTION	FEATURES/BENEFITS
Venture-Base Transmitter 	<p>Convenient, cost effective, and easy to use, the Venture-Base transmitter is the perfect solution for assistive listening applications like language translation and interruptible feedback. Broadcasting in its own auditory assistance band, the Venture-Base won't interfere with other assistive listening devices. So when conducting a tour, translating languages, or running a newsroom, the Venture-Base will meet your needs and exceed your expectations. #910-402-051</p>	<ul style="list-style-type: none"> • Superior overall sound quality • 500 foot range • Easily connects to any source • Field selectable channels (19 in the 216 MHz frequency band) with digital channel selection for lower risk of interference • Adjustable RF level allows control of RF coverage • Aphex® processing for increased intelligibility
Venture-Express Transmitter 	<p>A fully portable FM-based transmitter, the Venture-Express is ideal for applications where one person needs to transmit audio to multiple participants. From conducting tours to translating languages, the Venture-Express provides quality audio to listeners wearing a Venture receiver. #910-402-061</p>	<ul style="list-style-type: none"> • User channel selectable to 19 channels in the 216 MHz frequency band • Maximum voice intelligibility • Transmitter features absolute frequency control and stability • Small size and built-in belt clip make the transmitter easy to carry • RF system works outdoors and in bright light • Can be used with NiCad rechargeable batteries • Transmitter is wireless and can be used anywhere
Venture-1 Receiver 	<p>Compact and attractive, the Venture-1 receiver works with either the Venture-Base or Venture-Express transmitter. And regardless of normal changes in temperature, humidity, or rough handling, the digital-tuning processor ensures the receiver remains locked on to a particular frequency providing the highest sound quality possible. #910-402-004</p>	<ul style="list-style-type: none"> • Digitally tuned to lock on to desired frequency • RF system works outdoors and in bright light • Extra-long battery life with two AA batteries • Large ON/OFF/VOLUME control • Superior quality audio • Convenient, easy to carry, discreet • Field channel selectable
Venture-6 Receiver 	<p>A multi-channel receiver appropriate for museums and other multi-source applications. Whether on a tour, listening to a translation, or using interruptible feedback, Venture-6 users can manually select the channel they want to listen to. Even in large venues, Venture-6 users can sit wherever they choose and clearly hear the transmission from the Venture-Base or Venture-Express. #910-402-008</p>	<ul style="list-style-type: none"> ■ Digitally tuned to lock on to desired frequency ■ RF system works outdoors and in bright light ■ Long battery life with two AA batteries ■ Six user-selectable preset channels to easily switch between audio sources ■ Superior quality audio ■ Convenient, easy to carry, discreet ■ Field channel selectable
	<p>Tour Guide System. Includes one Venture Express, ten Venture 1 receivers, and five packs of Ni-Cad batteries. #930-TOU-RGU</p>	<p>Translator System. Includes two Venture Base, ten Venture 1 receivers, and five packs of Ni-Cad batteries. #930-TRA-NSL</p>

Assistive Listening Packages



Digital 1 Package.

Includes one TX-37A transmitter, four Digital-1 receivers, one plaque, one window sticker, and one rack mount kit. #930-402-001

Digital 1 Pack 10.

Includes one TX37A transmitter, ten Digital-1 receivers, one plaque, one window sticker, one rack mount kit, and five packs of Ni-Cad batteries. #930-DIG-TEN



Digital 6 Pack 5.

Includes one TX37A transmitter, five Digital-6 receivers, one plaque, one window sticker, one rack mount kit, and three packs of Ni-Cad batteries. #930-DIG-6P5

Digital 6 Pack 10.

Includes one TX37A transmitter, ten Digital-6 receivers, one plaque, one window sticker, one rack mount kit, and five packs of Ni-Cad batteries. #930-DIG-610

Mobile ALS Kit.

Includes one PTX transmitter, four Digital 1 receivers, and two packs of Ni-Cad batteries. #930-MOB-ALS