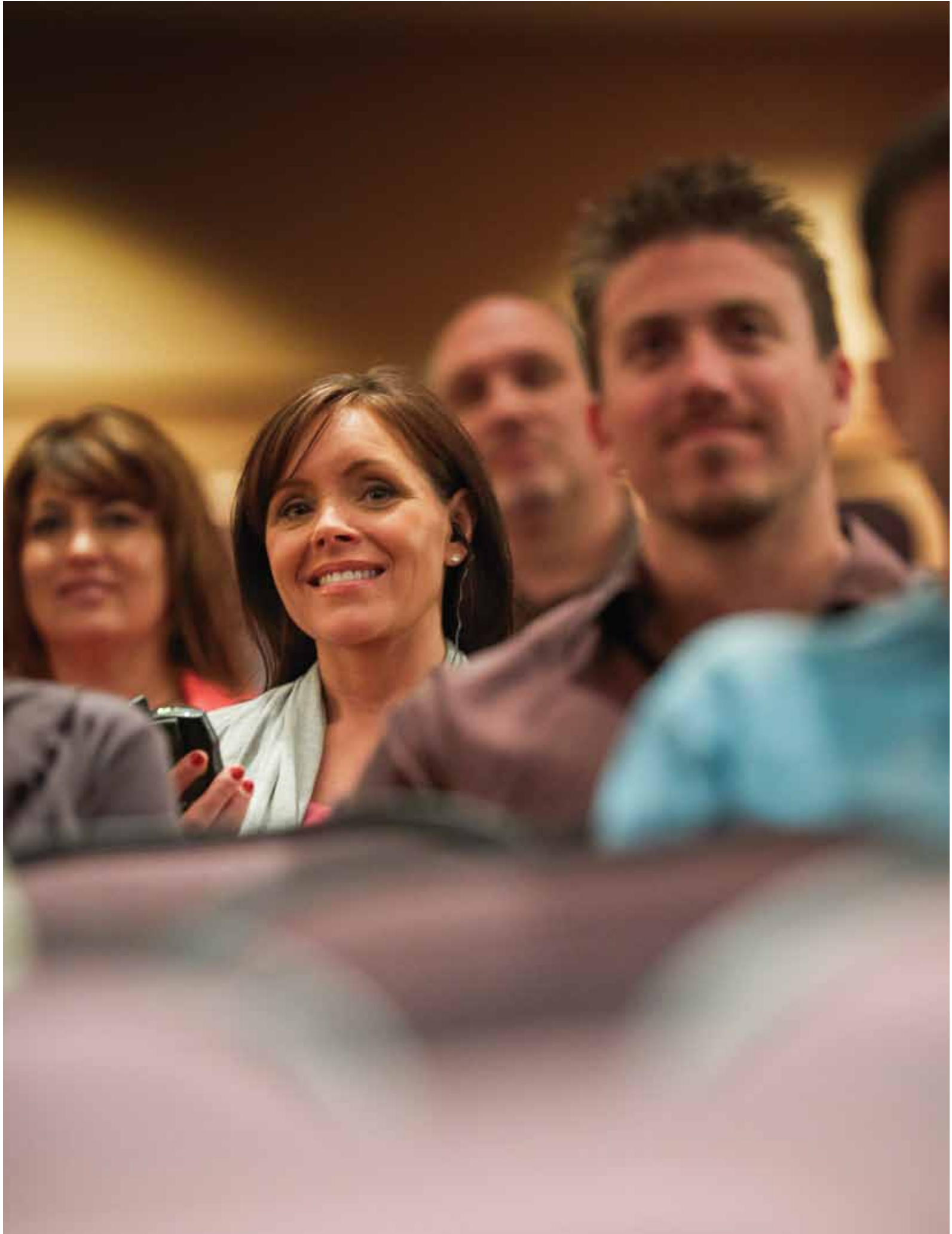


FM

COMMUNICATION



PERSONAL PA[®]

Your audience is ready and waiting ... to be soothed by a pastor's sermon, to be mesmerized by the leading man's monologue, to be pumped by an announcer's play-by-play. From houses of worship to performing arts centers to football stadiums, FM listening technology from Williams Sound ensures every listener in attendance can hear your message clearly. Our FM systems provide peace of mind, every time — complete, turn-key solutions that meet your facility's needs for hearing assistance, language interpretation, audio description or ADA compliance.

- ✔ *Ideal for large venues*
- ✔ *Easy to install*
- ✔ *Integrates fully with existing sound systems*
- ✔ *Listeners can sit anywhere*
- ✔ *Cost-effective*
- ✔ *Works well indoors or outdoors*
- ✔ *Complies with 2010 ADA guidelines*
- ✔ *Covered by the Williams Sound Lifetime PLUS Limited Warranty*



FM LISTENING SYSTEMS

Wireless, radio-wave systems designed to help individuals needing auditory assistance or language interpretation to overcome background noise, reverberation and distance from the sound source. Ideal for large-group listening scenarios. Individuals use personal FM receivers anywhere within the coverage area to hear crystal-clear sound directly from the sound source.

It's Here.
NETWORK

CONTROLLED ASSISTIVE LISTENING



 **ADA**
COMPLIANT

FM TRANSMITTERS

[View our full FM line at williamssound.com/fm]



The cutting-edge **PPA T45NET / T45*** base-station transmitter offers network control capability from any remote location, multiple digital audio input options, and an OLED high-res screen with easy-to-manage menu navigation. Features a powerful microprocessor and the same high-quality audio and RF performance you've come to expect from Williams Sound. It's technology that takes the guesswork out of complex audio installation. Simply select between voice, music, or hearing assistance in the application preset menu, and this transmitter quickly configures itself. Range of up to 1000 feet.



The highly portable **PPA T46** body-pack transmitter broadcasts voice or audio programs on one of 17 available channels (72-76 MHz) to listeners using Williams Sound PPA R37 or PPA R38 receivers (or R1600 speaker). Features flexible microphone and auxiliary input jacks, push-button on/off/mute controls, channel lock and selectable compression. Operates in dual-channel mode, allowing the user to easily switch between two different transmitting channels, each with its own set-up parameters. OLED screen displays current operating status and menu information. The rechargeable PPA T46 operates up to 30 hours on two AA alkaline or rechargeable batteries. Range of up to 150 feet (46m).

* For applications that do not require network control capability, the PPA T45 offers all the same state-of-art features as the PPA T45Net without the Ethernet jack. The network option with Ethernet jack can be added to the PPA T45 later if desired.

The **PPA T27** base-station transmitter broadcasts voice, music or audio service wirelessly up to 1000 feet. Audience members can pick up the broadcast using the optional PPA R37 or PPA R35-8 receivers (or R1600 speaker), operating on 72-76 MHz. For stand-alone applications, a presenter can simply connect a microphone with 3.5mm plug into the unit to broadcast their voice. The PPA T27 can also connect to a sound system through a line-level (RCA) jack to broadcast music or other audio service. Simple to set up and use, the PPA T27 is ideal for portable use.



ACCESSORIES

Williams Sound offers a wide selection of high-quality accessories, including earphones, headphones, neckloops, microphones and chargers. Each product is rigorously tested and approved for quality, reliability and compatibility.

[See our full line of accessories at williamssound.com/accessories]

FM RECEIVERS

The stylish PPA SelectView™ **PPA R38** receiver features a high-res OLED screen that's easy on the eyes and convenient to use — presenting a quick view of receiver status and immediate entry to all user settings. On-screen channel selection with easy access to 17 pre-set, wideband frequencies (72-76 MHz). Digitally synthesized for exceptional audio clarity and stability, the ease of the PPA SelectView is apparent with its digital tuning, digital squelch and battery-saving sleep mode.



Flexible and simple, the PPA Select™ **PPA R37** receiver features easy-to-use, seek-button channel selection with access to 17 pre-set wideband frequencies between 72-76 MHz. Compatible with the following Williams Sound transmitters: PPA T45Net / T45, PPA T46 and PPA T27. Digitally synthesized for exceptional audio clarity and stability. A versatile 3.5mm stereo/mono jack allows for a variety of earphone and headphone options, and is neckloop/telecoil-equipped-hearing-aid compatible.

The **PPA R35-8** receiver can select on up to eight channels simultaneously when used with any Williams Sound FM transmitter operating on the 72-76 MHz bandwidth. The PPA R35-8 features crystal clear audio and is digitally synthesized for stable tuning. Features an integral volume on/off control, LED power and low-battery indicator, channel selection knob, and earphone jack. Operates up to 50 hours on two AA alkaline batteries



RECHARGEABLE

All Williams Sound receivers are compatible with optional Williams Sound CHG 3512 and 3502 drop-in chargers.

PREPACKAGED & CUSTOM SOLUTIONS

PPA 457Net P R O

[View our full FM line at williamssound.com/fm]

Williams Sound offers a number of prepackaged FM listening systems. Install right out of the box or customize/expand to meet your specific communication needs. Or simply build your own system with our array of customizable components.



INCLUDES

- (1) PPA T45Net Transmitter
- (4) PPA R37 Receivers
- (2) NKL 001 Neckloops
- (4) EAR 013 Earphones
- (1) ANT 025 Whip Antenna
- (1) WCA 013 Audio Cable
- (1) TFP 016 Power Supply
- (1) IDP 008 ADA Plaque
- (4) BAT 001-2 AA Batteries
- (1) ANT 005 Coax Antenna
- (1) RPK 005 Rack Panel Kit

CUSTOMIZABLE

Will more than 4 members of your audience require hearing assistance?
Add more PPA R37 receivers.

Will your facility require additional receivers to be staged and ready for immediate use? Add a CHG 3512 3V 12-unit charger.

Will your presentation need to be heard in a remote room where wiring is difficult to run? Add a PPA R1600 FM Remote Speaker.

TOUR GUIDE FM

Williams Sound TGS Pro 737 and TGS Pro Multi FM tour guide systems ensure superior, wireless communication between tour guide and participants. With the tour guide's message delivered directly to their headphones by way of an FM signal, participants can focus on the areas of the tour that meet their personal interest, without missing important information. Both systems are completely portable, offering the option of hands-free operation. Set-up is easy and operation is simple. Each participant controls their own volume.

The TGS Pro 737 is a single-channel system. The TGS Pro Multi is a multi-channel system with eight selectable frequencies -- allowing multiple tour groups to operate in the same vicinity, simultaneously, with no cross-talk or interference.



TGS PRO 737



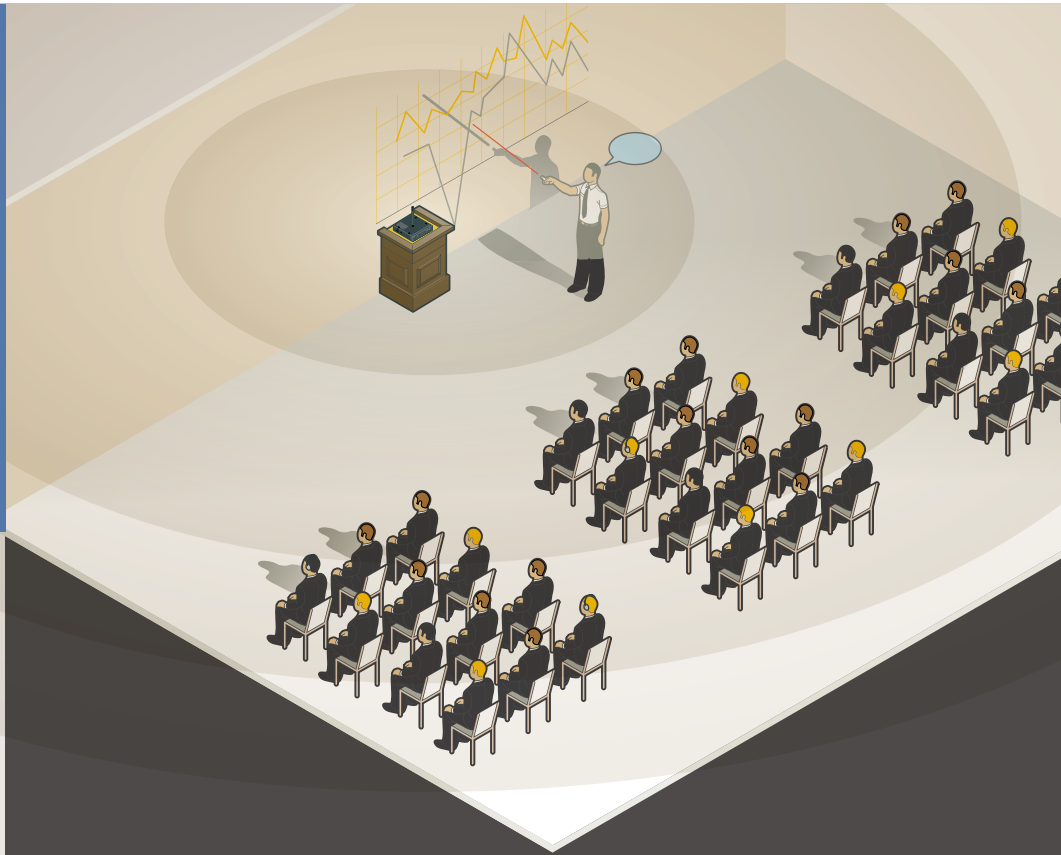
[CUSTOMIZABLE SOLUTIONS]

HOW FM WORKS

1) Input to an FM listening system can come from a microphone, sound system or other audio source. Here, the professor teaches students using an existing microphone.

2) The FM transmitter captures the professor's voice. The transmitter, in turn, sends a low-power radio signal to all FM receivers in the lecture hall.

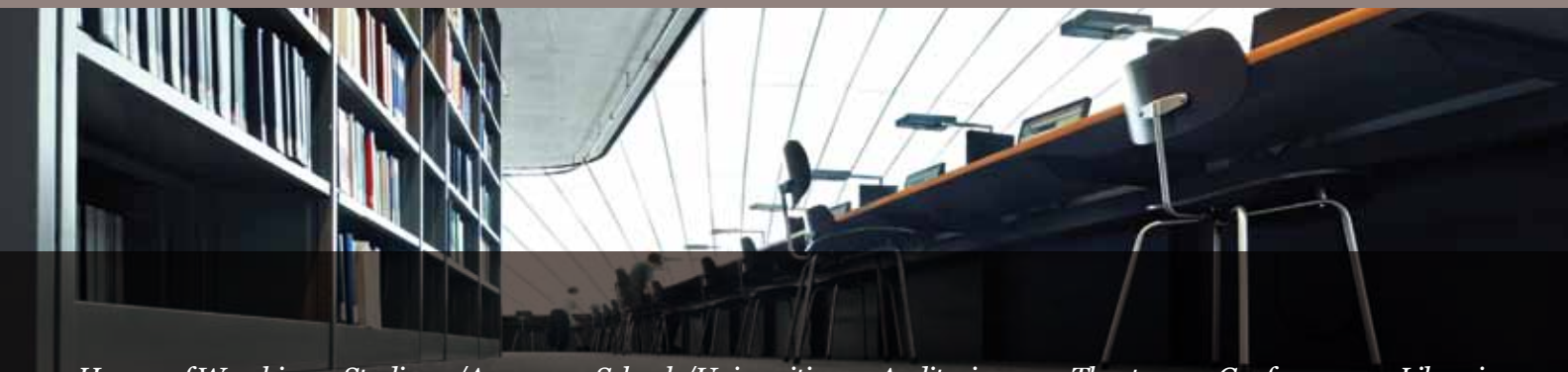
3) Students use the FM receivers to listen to the professor.



WORKS LIKE A SMALL RADIO STATION

An FM listening system operates just like a small radio station. An FM transmitter, directly connected to the sound system used in a facility, broadcasts radio signals on pre-set frequencies (frequencies that the FCC has determined and restricted for use by assistive listening and language interpretation systems). These signals are received by individual "radios" – FM body-pack receivers tuned to the specific frequency used in use.

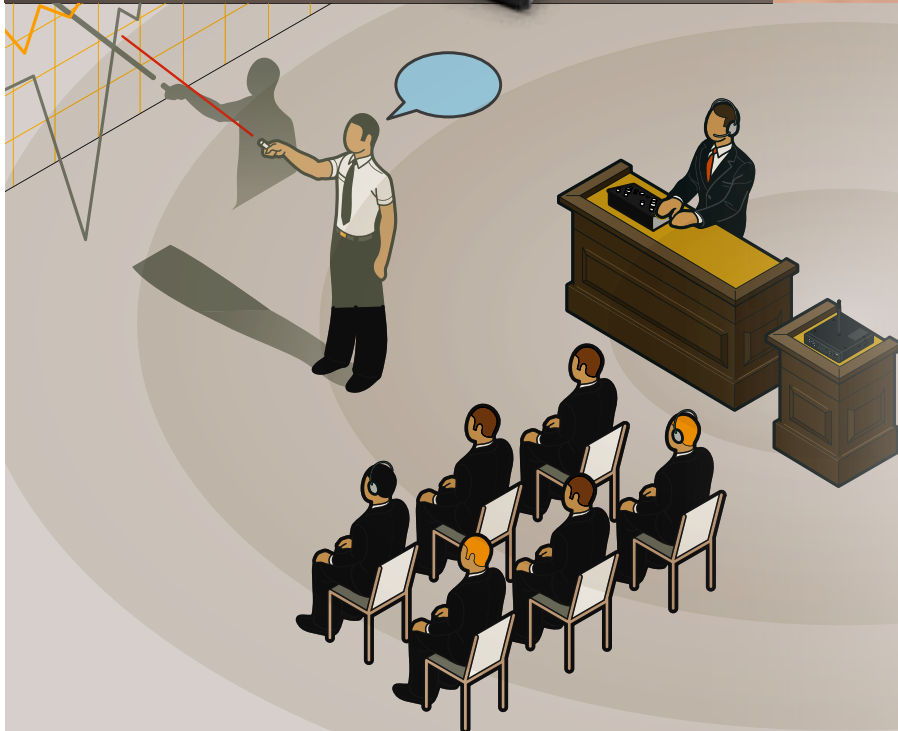
MARKETS SERVED



Houses of Worship Stadiums/Arenas Schools/Universities Auditoriums Theaters Conferences Libraries

LANGUAGE INTERPRETATION

The Williams Sound IC-2 is an audio control center for simultaneous interpretation of one or more languages. As a stand-alone unit, it allows one or two interpreters to monitor floor or relay sources, activate microphone inputs, and route the interpretation signal to one of two language groups. Ideal when multiple interpreters need to work together or when one needs to toggle between two language groups. Can be used with Williams Sound FM transmitters for portable or fixed installations.



At a multilingual presentation, the IC-2 is the interpreter's interface with a facility's sound system, allowing for smooth, simultaneous interpretation of the proceedings.

- 1) Presenter speaks into an existing microphone.*
- 2) Interpreter listens to the speaker's message.*
- 3) Interpreter interprets the message into a second language, speaking into their headset mic.*
- 4) Participants with FM receivers can select and listen to one of two channels – the floor or the interpreted message.*

A world map with several callout boxes pointing to specific locations. The boxes contain the names of organizations and their locations.

Canadian Hard of Hearing Association, Ottawa, Ontario

Los Angeles Memorial Coliseum, Calif.

Palm Beach County School District, Florida

University of the State of Mexico, Toluca

Metropolitan Touring, Quito, Ecuador

Tramontina Group, Rio Grande do Sul, Brazil

AROUND THE MAP

A photograph of an audience of people sitting in rows, looking towards the right. The focus is on a man in a light green shirt and a woman in a pink top and grey cardigan in the foreground.

HEARING
ASSISTANCE

ADA COMPLIANCE

LANGUAGE
INTERPRETATION

AUDIO
DESCRIPTION

TOURS

D I G I T A L F M I N F R A R E D L O O P



Williams Sound has many solutions for your commercial needs. For more information about Williams Sound's full line of professional listening products and accessories, please contact our sales department through any of the contacts listed below.

800.843.3544 (USA) / +1.952.943.2252 (Outside USA) / 952.943.2174 (fax) / williamssound.com / info@williamssound.com /

10300 Valley View Rd., Eden Prairie, MN 55344 USA