

# Choosing 72 or 216 MHz

## Choose a Listen 72MHz system:

- For shorter range application requirements up to 1,500 feet
- For exceptional sound quality
- For compatibility with existing FM assistive listening equipment

## Choose a Listen 216MHz system:

- For longer range application requirements up to 3,000 feet
- For areas where interference is a problem
- For good sound quality
- For expanded applications including language interpretation, tour group communications, medical/dental, and law enforcement

	72MHz	216MHz
To Meet ADA Requirements	Meets ADA guidelines for the hard of hearing at both 72 and 216MHz. Listen is compatible with all existing major brand systems. No special license is required.	
ADA Frequency Use Designation	Designated for hearing impaired and assistive listening transmissions.	Designated for assistive listening, tour group, language interpretation, medical, and law enforcement transmissions.
Simultaneous Channels	Offers 6 simultaneous channels within the 72-76MHz spectrum range.*	Offers 3 simultaneous channels within the 216-217MHz spectrum range.*
Sound Quality	Exceptional sound quality (SNR 80db, 50Hz to 15KHZ)**	Excellent sound quality (SNR 80 dB, 50Hz to 10KHZ)**
Transmission Range	Good Range -- stationary transmitters have a 500-1,500 foot range, and mobile transmitters have a 100-150 foot range.	Greater Range -- stationary transmitters have a 1,000-3,000 foot range, and mobile transmitters have a 100-150 foot range.
Possibility of Interference	Expect more interference from outside sources.	Because 216MHz is an exclusive band to assistive listening, it may offer less transmission interference.

*continued -- over*



Don't miss a single sound.

**Listen Technologies Corporation**  
 8535 South 700 West, Suite A  
 Sandy, UT 84070-2515 USA  
 Phone: +1.801.233.8992 or 1.800.330.0891  
 Fax: +1.801.233.8995  
 Email: info@ListenTech.com

# Using Listen Accessories with Listen Products



www.ListenTech.com

	72MHz	216MHz
For More Simultaneous Channels	72MHz offers twice the number of simultaneous channels.	
For Better Transmission Range		216MHz offers almost twice the transmission range as 72MHz (from a stationary transmitter).
For Less Interference		As an exclusive band, 216MHz is not licensed for other uses and may offer less transmission interference.
Recommended Applications for:	72MHz	216MHz
Places of Worship	Recommended: Clearer signals with twice the number of simultaneous channels for multiple language interpretation or different meetings.	Suggested for when greater range is necessary.
Language Interpretation	Benefits: Use 6 channels* for simultaneous interpretation to multiple languages.	Benefits: Greater range with stationary transmitter. Use 3 channels* for simultaneous interpretation.
Tour Groups	Benefits: Use 6 channels* for simultaneous groups touring the same facility without interference and overlap.	Benefits: Because 216MHz is an exclusive band to tour groups, it may offer less transmission interference. 72MHz and 216MHz transmitters have similar transmission ranges.
Schools	Recommended: Compatible with most existing systems at 72MHz systems	Suggested for when greater range is necessary. Compatible with Phonak Microlink™.
Meeting Rooms, Hotels and Convention Centers	Recommended: More simultaneous channels means multiple meetings can use different FM systems at the same time without interference from each other.	Suggested for when greater range is necessary, such as large rooms or for remote speakers in foyers and overflow areas, however SNR may be objectionable in low noise environments.
Stadiums/Arenas	Suggested when adding to or upgrading an existing 72MHz system (compatible with all major brands).	Recommended: Greater range for larger venues, particularly stadiums and arenas.
Live Theatre	Suggested for when more simultaneous transmissions are necessary (such as simultaneous interpretation).	Suggested for when greater range is necessary.

\* Number of available simultaneous channels vary by proximity of transmitters, transmitter output power level area interface, etc.

\*\* With Listen SQ Technology implemented

Don't miss a single sound.

Listen Technologies Corporation Phone: +1.801.233.8992 or 1.800.330.0891  
8535 South 700 West, Suite A Fax: +1.801.233.8995  
Sandy, UT 84070-2515 USA Email: info@ListenTech.com