

# Assistive Listening Dual Frequency System

## ALS700

The HamiltonBuhl ALS700 Assistive Listening Dual Frequency System breaks down hearing barriers, delivers superior value and provides excellent sound quality. Ideal for the hearing-impaired, this system amplifies a speaker or teacher's voice to the portable receivers, allowing all to hear clearly and enjoy the presentation or lecture.

Get everyone in on the listening experience and ensure ADA compliance, at any large venue, with our system. A single transmitter can serve an unlimited number of receivers in a 150' range.

The ALS700 System includes 1 transmitter, 6 receivers (batteries included), 6 sets of earbuds, a 6-way charging cable and carrying case.



Includes 6 sets of earbuds

assistive listening

## Overall System Performance

- Frequency response: 100Hz - 8KHz
- Signal to noise ratio: 41dB
- Total Harmonic Distortion: <0.5%
- RF Carrier Frequencies:
  - Channel 1: 75.5MHz
  - Channel 2: 75.9MHz
- Frequency Stability: >0.005%
- Modulation: FM  $\pm$  75KHz max.
- Operating Range: Up to 150 feet line of sight.

Warranty: 1 Year

## Transmitter

- Mic Input:
  - Connector: 1/4" Phone jack
  - Impedance: Unbalanced
- Line Input:
  - Connector: 1/4" Phone jack
  - Impedance: 100K unbalanced
- Antenna: Permanently mounted, telescoping
- Power Output: 13dBm
- Power Requirements: 5V DC, regulated @ 200mA Adapter included
- Dimensions: 9" x 6.07 x 1.97"

## Receiver

- Audio Output: 100mW
- Connectors: 3.5mm jack for earphone output
- Earphones: Mono earbuds
- Antenna: Integral with earphone cord
- Sensitivity: 3uV for 12dB with squelch defeated Squelches at 10uV for min. 50dB S/N ratio
- Mute Threshold: 5 - 8uV
- Power Requirements: Three (3) 1.5V AAA size batteries
- Dimensions: 2.54" x 1.32" x 3.92"



Six RF Receivers



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