

ALS-600

ASSISTIVE LISTENING SYSTEM



CONTACT INFORMATION

Hamilton Buhl
550 Huyler Street
South Hackensack, NJ 07606
Phone: 1-800-631-0868
Fax: 1-800-398-1812
Email: Sales@HamiltonBuhl.com
Business Hours: M-F 9:00 am to 5:00 pm E.S.T.
www.HamiltonBuhl.com



OWNERS MANUAL

Confirming Correct Installation

* For the best performance, (and to minimize the possibility of interference from another source), we suggest you experiment to find the minimal height the antenna must be extended in order to perform well in your particular environment.

Using More Than One ALS-600 System

You may operate up to three ALS-600 systems in the same location. For multiple system operation, please observe:

- If operating two ALS-600 transmitters in the same location, use Ch. AA and HH (or GG).
- If operating three ALS-600 transmitters in the same location, use Ch. AA, EE and HH (or GG).
- Locate the transmitters ten feet or more away those wearing ALS-600BP receivers.

SPECIFICATIONS
OVERALL SYSTEM PERFORMANCE

Frequency Response	100 Hz-8kHz ±3 dB
Signal to Noise Ratio	41 dB
Total Harmonic Distortion	< 0.5%
RF Carrier Frequencies	Eight channels between 72-76 MHz. Channel AA: 72.1, BB: 72.3, CC: 72.5, DD: 72.7, EE: 72.9, FF: 75.5, GG: 75.7, HH: 75.9
Frequency Stability	Better than .005%
Modulation	FM ±7.5 kHz max
Operating Range	Up to 300 feet line-of-sight
ALS-600 TRANSMITTER	
Mic Input	Connector: 1/4" phone jack. Impedance: unbalanced, with 12V DC at 1 mA for electret mic.
Line Input	Connector: 1/4" phone jack Impedance: 100 K, unbalanced
Power Output	15dBm
Controls	Power on/off, volume adjust
Indicators	Power On LED, signal LED
Antenna	Permanently mounted telescoping
Power Requirement	12V DC, regulated @ 300 mA, adapter provided
Dimensions	1.81" H x 8.27" W x 5.51" D
Weight	.0.75 lb.

ALS-600BP Receiver	
Controls	Separate volume & on-off controls
Audio Output	109 mW max into 16 ohms
Connectors	3.5mm mini jack for earphone output
Earphones	Mini binaural earbuds
Antenna	Integral with earphone cord
Indicators	LED power on indicator
Sensitivity	3 µV for 12 dB with squelch defeated. Squelches at 10 µV for min. 50 dB S-N ratio
Mute Threshold	5-8 µV
Power Requirement	9V alkaline (included)
Battery Life	17-20 hours w/alkaline battery
Dimensions	3.66" H x 2.44" W x 0.87" D
Weight	2.89 oz. w/out battery

Thank you for purchasing the **Hamilton ALS-600** Wireless RF Personal Listening System. The system can be installed quickly and easily. It provides quality listening assistance in compliance with the American's With Disabilities Act (ADA), which requires public facilities with audio systems to make listening assistance available to their audiences.

The ALS-600 provides outstanding quality. This system operates up to 300 feet line of sight. The system is configured with one wireless transmitter and 6 portable wireless beltpack receivers. The system is configured with one channel in the 72-76 MHz band. Eight different frequencies can be factory ordered. The system is expandable to limitless receivers.

This Assistive Listening System is versatile. It can be operated indoors or out without affecting performance. Excellent for any application from small classrooms and boardrooms to auditoriums and sanctuaries. The ALS-600 offers great auditory reception without seating confinements.

The ALS-600 connects to the line out from a tape player or from an existing sound system and broadcasts the audio as an FM radio signal.

UNPACKING YOUR ASSISTIVE LISTENING SYSTEM The system includes the following items:

This system will include the following items:

- 1 ALS-600XTR Transmitter
- 6 ALS-600BP Receivers
- 1 12V DC 300MA Power Adapter
- 6 ALS-600EB Earphones
- 6 pair of Foam Ear Pads
- 6 9 Volt Batteries
- 1 1/4" to 1/4" Male Cable
- 1 Instruction Manual