

# ALS-600

## ASSISTIVE LISTENING SYSTEM



### CONTACT INFORMATION

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OWNERS MANUAL

## **Confirming Correct Installation**

\* For 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**

	<b>ALS-600BP Receiver</b>
Frequency Response.....	100 Hz-8kHz ±3 dB
Signal to Noise Ratio.....	41 dB
Total Harmonic Distortion.....	< 0.5%
RF Carrier Frequencies.....	Eight channels between 72.3-72.7 MHz. Channel AA, 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 ±75 kHz max
Operating Range.....	Up to 300 feet line-of-sight
<b>ALS-600 TRANSMITTER</b>	
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 Power on/off, volume adjust
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.

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**