

# ALD 800 SPECIFICATIONS

## OVERALL SYSTEM PERFORMANCE

<b>Frequency Response</b> .....	100 Hz-15KHz $\pm$ 3 dB
<b>Signal to Noise Ratio</b> .....	60 dB
<b>Total Harmonic Distortion</b> .....	< 0.5%
<b>RF Carrier Frequencies</b> .....	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
<b>Frequency Stability</b> .....	Better than .005%
<b>Modulation</b> .....	FM $\pm$ 75 KHz max
<b>Operating Range</b> .....	Up to 300 feet line-of-sight

## ALD-800 TRANSMITTER

<b>Mic Input</b> .....	Connector: 1/4" phone jack. Impedance: low impedance, unbalanced, with 9V DC at 1 mA for condenser mic.
<b>Line Input</b> .....	Connector: 1/4" phone jack. Impedance: 100 K $\Omega$ , unbalanced.
<b>Power Output</b> .....	80,000 $\mu$ V @ 3 meters
<b>Controls</b> .....	Power on/off, audio input gain adjust
<b>Indicators</b> .....	Power On LED, Audio Modulation LED
<b>Antenna</b> .....	Permanently mounted telescoping whip

<b>Power Requirement</b> .....	9 VDC, regulated @200 mA, AC-ALD800 adapter provided
<b>Dimensions</b> .....	1.25" H, 8.25" W, 4.25" D (3.175 x 20.9 x 10.8 cm)
<b>Weight</b> .....	18.2 oz. (500 g.)

## ALD-800 Receiver

<b>Controls</b> .....	Combination volume/on-off wheel
<b>Audio Output</b> .....	250 mW max into 16 ohms
<b>Connectors</b> .....	3.5 mm mini jack for earphone output
<b>Earphones</b> .....	Mini binaural earbuds
<b>Antenna</b> .....	Integral with earphone cord
<b>Indicators</b> .....	LED power on indicator
<b>Sensitivity</b> .....	2 $\mu$ V for 12 dB Sinad with squelch defeated. Squelches at 10 $\mu$ V for min. 50 dB S-N ratio
<b>Mute Threshold</b> .....	8-10 $\mu$ V
<b>Power Requirement</b> .....	9V alkaline
<b>Battery Life</b> .....	17-20 hours w/alkaline battery
<b>Dimensions</b> .....	3.35" H, 2.75" W, .75" D (8.5 x 6.5 x 2.25 cm)
<b>Weight</b> .....	2.65 oz. w/out battery (73 g.)