



ALD-800 MULTI CHANNEL WIRELESS RF PERSONAL LISTENING ASSISTANCE SYSTEM



The ALD-800 RF wireless hearing assistance system is engineered for top value and performance by Nady Systems — one of the world's leading wireless microphone manufacturers and a long established producer of state-of-the-art infrared listening devices.

Combining advanced design, high quality construction and the most cost effective pricing available, the Nady ALD-800 is in full compliance with ADA regulations. The system consists of one wireless transmitter and one or more pre-tuned portable wireless receivers. The transmitter features eight factory switchable channels; the receivers are single-channel units that operate on one of eight frequencies in the 72-76 MHz radio band, with wideband modulation for superior quality audio. Unlike infrared listening systems, the ALD-800 can be used both outdoors and indoors in bright light without affecting performance.

The ALD-800 is designed to meet the requirements of virtually all large area hearing assistance applications, from small meeting rooms,

mid-sized houses of worship, to large movie theaters. The ALD-800 provides high quality hearing assistance to any number of audience members without seating restrictions. The system has a wireless operating range of up to 300 feet and greater — more than is required even for large area venues. The transmitter provides a rear panel 1/4" jack to connect to the line-out or tape-out from a venue's existing sound system, and a 1/4" front panel direct input for an optional operator microphone. The transmitter broadcasts the audio as an FM radio signal.

Audience members who desire listening assistance are supplied with a pocket size Nady receiver with adjustable volume control and comfortable, high performance earphones. The ALD-800 system is expandable — one transmitter will provide audio to a limitless number of receivers.

With its cutting edge features, performance and pricing, the NADY ALD-800 is the best choice in assistive listening systems available today.

SPECIFICATIONS

OVERALL SYSTEM PERFORMANCE

Frequency Response100 Hz-15KHz ± 3 dB
Signal to Noise Ratio60 dB
Total Harmonic Distortion ...< 0.5%
RF Carrier FrequenciesEight 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%
ModulationFM ± 75 KHz max
Operating RangeUp to 300 feet line-of-sight

ALD-800 TRANSMITTER

Mic InputConnector: 1/4" phone jack. Impedance: low impedance, unbalanced, with 9V DC at 1 mA for condenser mic phantom powering

Line InputConnector: 1/4" phone jack. Impedance: 100 K Ω, unbalanced
Power Output80,000 μV @ 3 meters
ControlsPower on/off, audio input gain adjust
IndicatorsPower On LED, Audio Modulation LED
AntennaPermanently mounted telescoping whip
Power Requirement9 VDC, regulated @200 mA, AC-ALD800 adapter provided
Dimensions1.25" H, 8.25" W, 4.25" D (3.175 x 20.9 x 10.8 cm)
Weight18.2 oz. (500 g.)

ALD-800 RECEIVER

ControlsCombination volume/on-off wheel
Audio Output.....250 mW max into 16 ohms

Connectors3.5 mm mini jack for earphone output
EarphonesMini binaural earbuds
AntennaIntegral with earphone cord
IndicatorsLED power on indicator
Sensitivity2 μV for 12 dB Sinad with squelch defeated. Squelches at 10 μV for min. 50 dB S-N ratio
Mute Threshold.....8-10 μV
Power Requirement9V alkaline
Battery Life17-20 hours w/alkaline battery
Dimensions3.35" H, 2.75" W, .75" D (8.5 x 6.5 x 2.25 cm)
Weight2.65 oz. w/out battery (73 g.)

