

LARGE AREA HEARING ASSISTANCE INFRARED SYSTEMS

PRELIMINARY PRODUCT INFORMATION

One of the original manufacturers in this market, Nady has been supplying large area infrared (IR) transmission systems to venues such as cinemas, theaters, churches, lecture halls, court houses, and large auditoriums for over 15 years. A long-time leader in cost-effective superior assistive listening devices (ALD's), Nady introduces 2 affordable new systems featuring state-of-the-art IR technology designed for optimum performance, flexibility, and ease of installation and operation: the IR System 200 and the IR System 400.

IR-200



NADY IR SYSTEM 200

The versatile IR System 200 can be operated either stereo or dual channel (as for dual language application). The portable single-unit emitter/transmitter offers ultimate ease of set-up and operation and the best high-fidelity IR sound available. The Nady IR System 200 sets the new standard in IR ALD technology, performance and value.

- **IR-200:** 2 Channel single-unit emitter/transmitter (separate channels or stereo)
- **IR-210:** Stereo headphone receiver
- **IR-211:** Dual channel selectable (A/B) headphone receiver
- Advanced 2.3/2.8MHz IR transmission eliminates the interference from ballast (fluorescent tube) lighting which often plagued earlier 95/250KHz IR systems.
- 4000 sq. ft. (370 sq. m.) coverage. Any number of IR-200 transmitters can easily be daisy chained together for greater coverage via dual sync in & sync out connectors on each unit.
- IR-200 can be mounted on the wall or on optional stand for portable temporary setups
- IR-200 transmitter can be used with either IR-210 receivers for stereo or IR-211 receivers for dual (separate) channel operation. Any number of either IR-210 or IR-211 receivers can be used in an installation.
- IR-200 transmitter features: high gain IR-LED (light-emitting diode) emitter panel with built-in amplifiers; 2 audio inputs (fully compatible with any audio source, such as mixers, radios, VCR's, etc.); 2 MIC inputs (for optional voice-overs); built-in automatic level control (ALC) to eliminate audio peaks and ensure comfortable listening levels; 28VDC external powering from supplied AC/DC adapter simplifies installation wiring requirements; LED indicators for SIGNAL ON for both Audio In and MIC In inputs
- IR-210/IR-211 headphone receivers feature: ultra IR light-sensitive diodes for optimum reception and maximum range; A/B channel select switch (IR-211 only); ON/OFF power switch with LED indicator; 2 audio volume controls; 2 X AAA battery operation; adjustable headband for comfortable universal fit

Specifications:

IR-200 Transmitter:

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|---------------------------------|---------------|
| Operating Voltage | 28VDC |
| Current Drain | 800mA |
| Carrier Frequencies | 2.3MHz/2.8MHz |
| Input Impedance (Audio In) | 18K ohm |
| Input Impedance (MIC In) | 1.3K ohm |
| Input Level for Audio In LED on | 80mV |
| Input Level for MIC In LED on | 1mV |
| ALC Range @ +/-3dB (Lower) | 550mV |
| ALC Range @ +/- 3dB (Upper) | 7V |

IR-210/211 Receivers:

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|-----------------------------|-------------|
| Operating Voltage | 3V (2XAAA) |
| Current Drain (Max. Signal) | 25mA |
| Maximum SPL @ 1.5%THD | 115dB |
| Frequency Response (+/-3dB) | 50Hz —12KHz |



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