

# NADY SEM-6000

## Professional VHF Wireless Stereo Ear Monitor System



Nady Systems, manufacturer of the world's top selling wireless microphone systems, has introduced a new wireless stereo ear monitoring system, the SEM-6000 VHF.

The Nady SEM-6000 is designed particularly for live concert sound reinforcement, and for applications in theatre, film and video production as well. Wireless operating range is a minimum of 250 feet.

The system consists of a single rack space transmitter and any number of bodypack receivers equipped with stereo earplugs.

The transmitter connects to any mixing board and features two independent VHF high band channels that broadcast in stereo or mono.

The pocket sized Nady SEM-6R receivers utilize rugged, all metal housings, and provide two user switchable VHF frequencies, separate right/left volume controls, and a stereo mini plug output.

The Nady SEM-6000 offers artists and their techs a customized listening environment anywhere on a stage, with the freedom to move about without affecting monitor audio. A monitor engineer equipped with Nady wireless ear monitors will be able to provide a more accurate mix, while house engineers deal with substantially less volume on the stage.

For more than 17 years, Nady wireless systems have been the first choice of professionals worldwide. The new SEM-6000 brings Nady's quality audio and proven reliability to wireless stereo ear monitoring for the first time.



The rear panel of the SEM-6000 transmitter provides left/right XLR inputs and an on/off switch for each of its two stereo transmitting channels.



The SEM-6R stereo bodypack receiver features an ultra compact, all metal housing.

### NADY SEM-6000 SPECIFICATIONS

#### OVERALL SYSTEM PERFORMANCE

**Frequency Response:** 50 - 10 K Hz  $\pm 3$  dB  
**Dynamic Range:** 80 dB  
**Harmonic Distortion:** <0.5%  
**RF Carrier Freq.:** Two channels in the 170-216 MHz range  
**Frequency Stability:**  $\pm$  .005% crystal controlled  
**Modulation:** FM/ $\pm 15$  kHz  
**Operating Range:** 250 feet typical—up to 500+ feet line of sight

#### NADY SEM-6000 VHF STEREO TRANSMITTER

**Audio Input Impedance:** Line level, balanced  
**Connectors (each channel):** Left/right XLR inputs on back, two 3.5 mm stereo headphone outputs on front for input monitoring  
**Controls (each channel):** Transmitter on/off, input audio level adjust, monitor volume  
**Indicators (each channel):** Two LED bargraphs -18 dBm-+9 dBm, two red "TX" LEDs to indicate transmission  
**RF Power Out:** 50 mW per channel (Max allowed by FCC)  
**Harmonic and Spurious Emissions:** <- 40 dB  
**Dimensions:** L= 16.3 inches (414 mm). W= 7.5 inches (190.5 mm). H= 1.7 inches (43.2 mm). Provisions for 19" rack mounting  
**Weight:** 4.5 lbs. (2 Kg.)

#### NADY SEM-6R VHF STEREO RECEIVER

**Controls:** On/off switch, frequency selector switch, independent left/right volume controls, mute adjust  
**Audio output:** 16 ohms or 32 ohms  
**Connectors:** Ear monitor output: 3.5mm stereo mini jack. Antenna: 3 mm screwthread for software antenna.  
**LED Indicators:** Power "ON" (flash), Low Battery Alert (steady), TX signal received  
**Mute:** Externally adjustable with preset minimum  
**Unwanted Signal Rejection:** 60 dB image and spurious  
**Power Requirements:** Single 9V alkaline, internal  
**Dimensions:** H= 3.4 inches (86.4 mm). W=2.45 inches (62.2 mm). D= .875 inches (22.2 mm)  
**Weight:** 7 oz. with battery and antenna. (198 g)



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