

# NEW PRODUCT ANNOUNCEMENT

## The Nady XR-71/72 Pro VHF Series



Nady Systems, the pioneer and leading innovator in wireless microphone and music instrument systems, introduces the latest breakthrough in wireless technology, performance and pricing in a professional rackmount wireless. The 4-channel selectable Nady XR-71/72 Pro VHF series was designed for the most demanding professional applications. It offers full-featured rackmount convenience, superior performance and unmatched sound plus a choice of single or dual receivers—all at an amazingly affordable price equivalent to competitive single channel units. Featuring the

latest advances in cost effective frequency agile technology, the XR-71/72 Pro Series offers 4 user switchable channels for optimum clear channel selection and interference-free operation in any locale, and enhanced versatility in multiple system setups. Both the XR-71 single receiver and the convenient space saving XR-72 dual receiver are housed in the same durable road-ready single rack 19" metal case.

Packed with all of the enhanced features that professionals require for optimum convenience and ease of use, the XR-71/72 receivers feature front mount removable dual antennas for optional remote placement, adjustable line level 1/4" and fixed mic level XLR outputs, and front panel LED displays for received signal strength, and audio and diversity status. A unique optional transmitter low battery LED alerts the operator at the receiver that the transmitter battery has one hour or less of usable life remaining. The XR-71/72 Pro VHF systems also feature proprietary DigiTRU Diversity™ with unique digital processing circuitry for maximum drop-out protection and range—ensuring optimum reliability and performance.

A full range of transmitter options provides the ultimate flexibility for all audio applications. The sleek, rugged metal handheld HT-4 features the Nady DM-85 Neodymium dynamic element for the most powerful, crisp, transparent vocals. Available bodypacks include the SX-4 for lavalier or headmic applications, and the GT-4 music instrument transmitter. All of the transmitters use a standard 9V alkaline battery and provide 16-20 hours of battery life. A low battery LED signals when it is time to change the battery. Also available are the Link™ and ENG-11 snap-on transmitters which convert any handheld or lavalier microphone to wireless instantaneously. (See separate brochures for more information and specifications.)

Over 20 years ago, Nady pioneered, perfected, and patented the use of companding for noise reduction in wireless microphones and continues to this day as the leader in this technology. The result is that the XR-71/72 systems offer audio without a trace of hiss or overload distortion—the cleanest, clearest, quietest and most natural sound available in wireless. Designed for optimum range everywhere, the XR-71/72 systems feature 250 foot operation typically in adverse conditions—up to 500 feet or more line-of-sight.

Nady has always offered the best performance and value in wireless. Now Nady takes the next step in frequency agile VHF rackmount systems—the Nady XR-71/72 Pro Series.

### NADY XR-71/72 SYSTEM SPECIFICATIONS

#### OVERALL SYSTEM PERFORMANCE

**Frequency Response:** 25 Hz-20 kHz  $\pm$  3 dB.

**Dynamic Range:** 120 dB.

**Total Harmonic Distortion:** < 0.3%.

**RF Carrier Frequency:** 4 channel switchable, available in selected bands between 169 and 216 MHz.

**Modulation:** FM  $\pm$  15 kHz.

**Operating Range:** 250 feet typical—up to 500+ feet line-of-sight.

#### NADY 71/72 FOUR CHANNEL VHF TRANSMITTERS

**Audio Input Impedance: GT-4 Instrument:** 1 M $\Omega$ , with permanently attached instrument cord with 1/4" phone plug. **SX-4:** 20 K $\Omega$ , with mini XLR connector and phantom DC power for any electret condenser lavalier microphone or headmic.

**Controls: HT-4 Handheld:** ON/OFF, Audio ON/

OFF, 4 Channel Selector, Input level adjust. **GT-4**

**Instrument and SX-4:** OFF/STANDBY/ON, 4 Channel Selector, Input Level Adjust.

**LED Indicator:** Unit "ON" (single flash), Low Battery Alert (steady).

**RF Power Out:** 50 mW nominal (max allowed by FCC).

**Harmonic and Spurious Emissions:** < - 40 dB.

**Battery:** 9V alkaline. **Battery Life:** 16-20 hours.

**Bodypack Dimensions:** 3.8" x 2.4" x .8" (9.7 x 6.1 x 2 cm).

**Bodypack Weight:** 2.5 oz. (71 g).

**Handheld Dimensions:** 8.75" L x 1.54" D (22.2 x 3.8 cm).

**Handheld Weight:** 9.3 oz (264 g.)

#### NADY 71 AND 72 FOUR CHANNEL VHF RECEIVERS

Note: The XR-72 is a dual receiver version of the single receiver XR-71—so the appropriate controls and connectors listed below are duplicated for each receiver.

**Controls:** Power ON/OFF, Volume Adjust, Mute Adjust, 4 Channel Selector Switch.

**Connectors:** Audio Outputs: nominal line level 1/4" mono phone jack & mic level XLR, 3.5 mm DC power jack.

**Antenna Connectors:** SO-239 jacks.

**LED Indicators:** Power "ON", Received Signal Strength and Audio: 4 LED display each, Tx Low Battery Alert signal (optional) **71:** Transmitter "Tx" **72:** ch A "ON" and ch B "ON".

**Mute:** Externally adjustable with preset minimum.

**Unwanted Signal Rejection:** 60 dB image and spurious.

**Power Requirements: 71:** 12V DC @ 200 mA.

**72:** 12V DC @ 400mA, tip positive. AC Adapter included.

**71/72 Dimensions:** 16.5" x 7.5" x 1.75" (42 x 19 x 4.5 cm).

**Weight: 71:** 3.82 lbs. (1.73 Kg.)

**Weight: 72:** 4.22 lbs. (1.91 Kg.)

