

# NEW PRODUCT ANNOUNCEMENT

## The Nady XR-81/82 Pro UHF Series



Nady Systems, the pioneer and leading innovator in wireless microphone and music instrument systems, introduces its latest breakthrough in wireless technology, performance, and pricing. The 2 channel selectable Nady XR-81/82 Pro Series offers full-featured rackmount convenience, flawless performance, and great sound on the uncluttered UHF band plus a choice of single or dual receivers—all at an amazingly affordable new price.

Both the XR-81 single receiver and the convenient space saving XR-82 dual receiver are housed in the same durable road ready single rack 19" metal case. Utilizing the latest advances in affordable UHF frequency agile wireless technology, both the receivers and transmitters in the Nady XR Pro UHF Series offer two user-switchable channels for optimum clear channel selection and interference-free operation in any locale plus enhanced versatility in multichannel setups.

The XR-81 and XR-82 receivers both 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 also alerts anyone monitoring the receivers that the battery is running low and needs replacement.

The Nady XR Pro UHF Systems also feature proprietary DigiTRU Diversity™, digital processing circuitry for maximum dropout protection and optimal range and reliability during performance.

A full spectrum of transmitter options provides the ultimate flexibility for all audio applications. The sleek, rugged HT-5 metal handheld microphone features the Nady DM-85 Neodymium dynamic element for the most powerful, crisp, transparent vocals. The SX-5 bodypack can be used with any lavalier or headmount electret condenser microphone, and the GT-5 bodypack enables wireless operation with any musical instrument pickup. The transmitters all provide 10-12 hours of battery life from a single 9V alkaline battery and are equipped with a Low Battery Alert LED which notifies the user when only one hour or less of useful battery life remains.

Over 20 years ago, Nady pioneered and patented the use of companding for noise reduction in wireless microphones and continues to this day to be the leader in this technology. The XR 81/82 Pro Series delivers 120 dB dynamic range—unmatched by any other wireless brand on the market. The result is audio without a trace of hiss or overload distortion—the cleanest, clearest, quietest, and most natural sound available in wireless. The XR-81/82 Pro UHF Series also offers maximum operating range—with 250 feet typical in adverse conditions, and greater than 500 feet line-of-sight.

Nady has always offered the best performance and value in wireless. Now, Nady continues this tradition with the next step in UHF rackmount wireless systems—the Nady XR-81/82 Pro Series.

### NADY XR-81/82 SYSTEM SPECIFICATIONS

#### OVERALL SYSTEM PERFORMANCE

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

**Dynamic Range:** 120 dB.

**Harmonic Distortion:** < 0.5%.

**RF Carrier Frequency:** 2 channel switchable, available in bands from 794-820 MHz.

**Frequency Stability:**  $\pm$ .005% crystal controlled.

**Modulation:** FM  $\pm$  20 kHz.

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

#### NADY 81/82 TWO CHANNEL UHF TRANSMITTERS

**Audio Input Impedance:** GT-5 Instrument: 1 M $\Omega$ , with permanently attached instrument cord with 1/4" phone plug. SX-5: 20 K $\Omega$ , with mini XLR connector and phantom DC power for any electret condenser lavalier microphone or headmic.

**Controls:** HT-5 Handheld: ON/OFF, Audio ON/OFF, 2 Channel Selector, Input level adjust. GT-5

**Instrument and SX-5:** OFF/STANDBY/ON, 2 Channel Selector, Input Level Adjust.

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

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

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

**Battery:** 9V alkaline. **Battery Life:** 10-12 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 81/82 TWO CHANNEL UHF RECEIVER

Note: The XR-82 is a dual receiver version of the single receiver XR-81—so the appropriate controls and connectors listed below are duplicated for each receiver.

**Controls:** Power ON/OFF, Volume Adjust, Mute Adjust, 2 Channel Selector Switch.

**Connectors:** Audio Outputs: nominal line level 1/4" mono phone jack and 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) **81:** Transmitter "Tx" **82:** ch A "ON" and ch B "ON".

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

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

**Power Requirements: 81:** 12V DC @ 200 mA

**82:** 12V DC @ 400 mA, tip positive. AC adapter included.

**81/82 Dimensions:** 6.5" x 7.5" x 1.75" (42 x 19 x 4.5 cm).

**Weight: 81:** 3.82 lbs. (1.73 Kg.)

**Weight: 82:** 4.22 lbs. (1.91 Kg.)

