

# NEW PRODUCT ANNOUNCEMENT

## NADY UHF 760 SYSTEM

### Frequency Agile 160 Channel UHF Wireless Microphone and Instrument Systems

The Nady UHF 760 wireless system offers 160 user selectable channels, a convenient full-featured, space-saving half-rack size receiver, and top-line, industry best performance—all at an unprecedented new affordable price.

Utilizing Nady's cutting edge proprietary circuitry, the UHF 760 delivers 120 dB dynamic range for the cleanest, quietest sound available in UHF—an unparalleled balance of quiet performance and uncompromised headroom that is up to 20 dB superior to other systems that cost far more.

The Nady UHF 760 systems feature state-of-the-art frequency synthesis, with frequencies selectable in pre-programmed bands up to 20 MHz wide in the 746 to 952 MHz range. Both the transmitter and receiver provide up to 160 user-switchable channels in each band (unlike other units which offer only 100), for the widest possible choice of open frequencies for multi-unit operation in even the harshest RF environments. The tight selectivity of the UHF 760 receiver and the clean RF performance of the transmitters allow more than twenty systems in the same band to work together in the same location—assuring maximum flexibility for all applications. Microprocessor controlled DigitRU Diversity™ reception provides exceptional freedom from dropouts.

The Nady UHF 760 offers user friendly ease of operation unexpected in such a high-performance system. The receiver features extensive front panel LED displays, including 5 segment audio and RF meters, A/B diversity status indicators, large easy-to-read 7 segment displays for frequency group and channel, and a useful

operator warning indicator for low transmitter battery. Easy-to-use screwdriver adjustable controls for Group and Channel selection and squelch mute level adjustment, Power On/Off switch, and a large audio level knob complete the front panel. The complement of rear panel controls include both an unbalanced 1/4" and a balanced XLR output, the latter with a line/mic level select switch. An antenna input attenuator switch allows operation of the maximum number of units simultaneously in harsh RF environments.

The Nady UHF 760 transmitters are of rugged all-metal construction—an obvious advantage for trouble-free reliability over the mostly plastic competitive units. The HT-60 handheld microphone transmitter features the Nady AT-60 dynamic element for clear powerful vocals. Other popular brand mic capsules are also available as an option. The LT-60 and GT-60 lavalier and instrument bodypacks are ultra compact and feature easy-to-use recessed controls and a low-battery warning LED. Also available is the ENG-12 snap-on transmitter which converts any dynamic XLR microphone to wireless operation.

*In over 20 years of pioneering leadership in delivering the best wireless microphone and instrument systems available, Nady has always provided the sound professional with the highest performance available at the most competitive pricing, as well as the peace of mind that comes with owning a proven reliable product designed by the most experienced manufacturer in the business. The Nady UHF 760 continues this tradition, offering the best value in affordable frequency agile UHF wireless systems.*



### NADY UHF 760 SPECIFICATIONS

#### NADY 760 SYSTEM PERFORMANCE

**Frequency Response:** 30Hz-15KHz±3 dB.  
**Dynamic Range:** 120 dB.  
**Harmonic Distortions:** <0.5%.  
**Operating Frequency Range:** up to 160 channels switchable in pre-programmed bands up to 20 MHz wide in the 746-952 MHz range.  
**Frequency Stability:** ±.005% PLL Synthesis.  
**Modulation:** FM±25kHz.  
**Operating Range:** 250 feet typical - up to 500+ feet line of sight.

#### RECEIVER SPECIFICATIONS

**Receiving System:** Dual conversion superheterodyne.  
**Sensitivity:** -107 dBm, nominal with switchable RF input attenuator (-6 dB).  
**Selectivity:** 60 dB nominal ± 75 kHz offset.  
**Image Rejection:** -70 dB Minimum.  
**Spurious Rejection:** 75 dB.  
**Mute Threshold:** 3.0µV (30 dB quieting), preset, adjustable.  
**Audio Output Level:** Unbalanced output: 225mV at ±25 kHz. Mic Level Balanced Output: 24 mV at ± 25 kHz.

**Audio Output Impedance:** Unbal: 600 ohms. Bal: 75 ohms.  
**Controls:** Power on/off switch, volume control, channel, and group selector switches, RF mute adjust, XLR line/Mic Level select switch, RF attenuator switch.  
**Led Indicators:** 2-color, 5-segment RF and AF meters, power on, group & channel display, diversity A/B status, and transmitter low battery warning.  
**Power Requirements:** Standard - AC-DC adapter, 12VDC@400mA, 120/240VAC. Optional - internal switching power supply, 85-264VAC (47-440Hz)  
**Antenna:** 1/4 wavelength rubber ducky or external remote (BNC).  
**Dimensions:** 1.7" x 7.5" x 8.9" (43x190x226mm)  
**Weight:** 1lb, 14oz (.9kg)

#### TRANSMITTER SPECIFICATIONS

**Models Available:** HT-60 handheld mic, LT-60 bodypack for lavalier or head mic, GT-60 bodypack for music instrument, ENG-12 snap-on for XLR microphones  
**Frequency Range:** 746-952 MHz  
**Freq. Synthesized:** PLL system with Freq.stability <0.005%.

**Multichannel Operation:** 160 switchable channels within a 20 MHz RF bandwidth throughout the specified frequency ranges  
**RF Output Power:** 1mW—125 mW max depending on band  
**Harmonic and Spurious Emissions:** -50 dB  
**Audio Input Level with ± 25 kHz nom. deviation:** HT-60: 24mV RMS (nom.). LT-60: 75 mV RMS (nom.). GT-60: 225 mV RMS (nom.)  
**Input Impedance:** HT-60: 360 ohms. LT-60: 20 k ohm. GT-60: 1 M ohm.  
**Controls:** Xmr. on/off sw., audio on/off sw., adjustable audio level, channel selector sw., group selector sw.  
**LED Indicator:** Unit "ON" (single flash), Low Battery Alert (steady)  
**Connectors:** HT-60: None. LT-60/GT-60SX: Mini-XLR  
GT-60: 1/4" phone plug, ENG-12: XLR.  
**Antenna Type:** HT-60 Integral (metalized area of wireless microphone). LT-60 and GT-60: External 1/4-wavelength soft wire.  
**Battery Type:** 9V alkaline.  
**Battery Life:** 6-8 hours  
**Dimensions:** HT-60: 8.2" x 1.25" (208 x 32mm)  
LT-60/GT-60: 3.4" x 2.45" x .9" (86 x 62 x 23mm)  
**Weight:** HT-60: 9.6oz (272g) . LT-60/GT-60: 5.4oz(154g.)



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