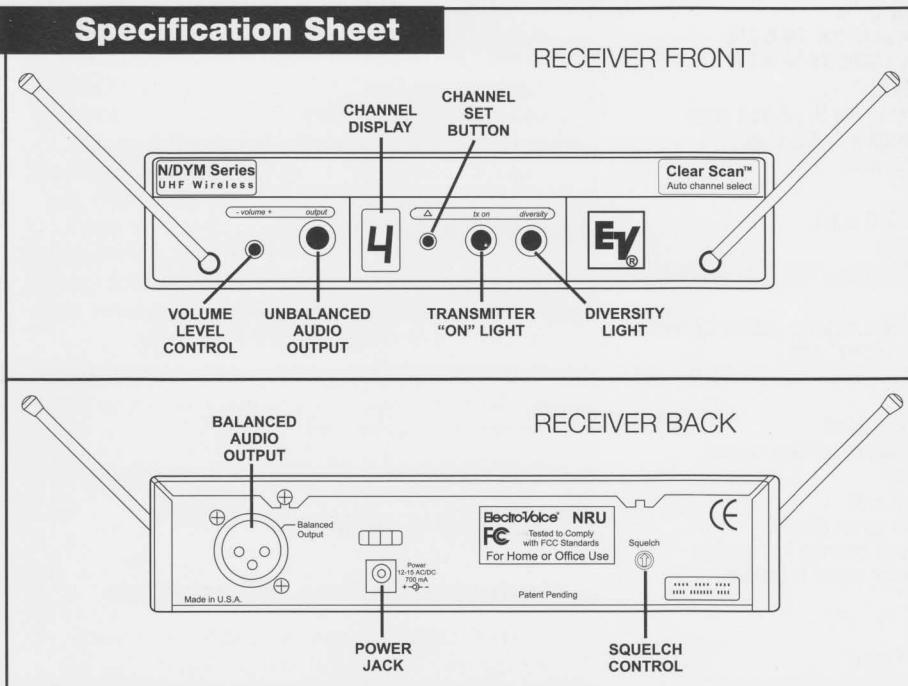


Specification Sheet



N / D Y M®

UHF WIRELESS

S Y S T E M S

General Product Description

The N/DYM® UHF wireless is a 10-channel frequency-agile product that provides professional-quality performance at a truly amazing price. N/DYM® wireless also features the latest in wireless technical innovations – **ClearScan™** auto channel select. **ClearScan™** greatly simplifies system setup by automatically scanning and selecting a clear channel for trouble-free operation. The handheld systems feature EV's famous N/DYM® elements for great sound and performance. The new N/DYM® wireless series from EV sets the new standard for wireless system performance and value.

Key Features/Benefits

- 10-channel UHF frequency-agile system for professional-quality performance in any situation.
- **ClearScan™** auto channel select automatically scans and selects a clear channel for easy and effective system setup and operation.
- Secure-Phase™ diversity for clear and drop-out-free audio.
- Rugged, rack-mountable metal receiver housing.
- Fixed, front-mounted antennas for quick system setup.
- Balanced XLR mic level and unbalanced adjustable level 1/4-inch outputs.



6 Different System Configurations

- 2 Handheld transmitter systems
 - **NRU-N1** featuring the **N/D167** dynamic element.
 - **NRU-N2** featuring the **N/D267a** dynamic element.
- 3 Bodypack systems
 - **NRU-L10** featuring the **OLM-10** omnidirectional lavalier mic.
 - **NRU-L20** featuring the **ULM-20** cardioid lavalier mic.
 - **NRU-H1** featuring the **HM-2** headworn mic.
- Guitar system
 - **NGU** featuring circuitry specially designed to handle a guitar signal.

Spotlight on ClearScan™

ClearScan™ auto channel select is the latest in wireless technical innovations from EV. Frequency agility means flexibility in dealing with the many different RF situations out there. However, it also means making choices which aren't always easy – such as choosing the best channel for system operation. That's where **ClearScan™** comes in. **ClearScan™** automates the process of finding the best channel to set your system to. Simply activate **ClearScan™** – and it scans all 10 operating frequencies to find the clearest channel for system setup and use. All you have to do is set the transmitter to match the channel number displayed on the receiver and you're ready to go. **ClearScan™** gives you the best channel frequency for your environment so you can rest assured that you'll be able to operate without the danger of interference or radio traffic.

EVERYWHERE™

Wireless System Descriptions

Operating Frequencies	Two frequency bands available A Band: 710-722 MHz (UHF channels 54 & 55) B Band: 722-734 MHz (UHF channels 56 & 57)
Simultaneous System Operation	5 – within one frequency band
TA4F Connector Wiring	Pin 1: ground; Pin 2: mic input; Pin 3: +5-Volt bias; Pin 4: +5-Volt bias fed through a 3,000-ohm resistor for two-wire electret mics
Size (handheld transmitter)	273 mm (10.75 in.) long
Size (bodypack transmitter) (hwd)	114 mm (4.5 in.) x 66 mm (2.6 in.) x 32 mm (1.25 in.) (no antenna)

UHF Receivers: NRU and NRU-G Receivers

Controls	
Front Panel	Channel-set button: increments channel setting by one; also used to activate ClearScan™ and channel-change lockout
Rear Panel	Squelch adjust
Antennas	¼-wave, fixed mount on front panel (remote antennas and antenna splitters cannot be used with this product)
Displays/Indicators	
	Channel set: seven-segment LCD
	Diversity LED: changes color when diversity circuitry switches from one antenna to the other
	Tx On LED: lights when carrier signal is present
Receiver Type	Synthesized PLL
Number of Selectable Channels	10
Diversity	True diversity with Secure-Phase™
RF Sensitivity	<0.8 µV for 12 dB SINAD
FCC Data	Approved under part 15
Audio	
Frequency Response	50-15,000 Hz ±2 dB
Audio Output, Balanced (XLR)	-20 dBV (600-ohm load)
Audio Output, Unbalanced (¼-in.)	Adjustable 8 mV to 0.775 V RMS (100-kilohm load)
Distortion	Less than 0.5%
Signal/Noise Ratio	≥94 dB
Dynamic Range	100 dB

UHF Transmitters: NBPU, NBPU-G, NHTU-N1, NHTU-N2

Radiated RF Output	10-15 mW typical
Adjustments and Controls	
	On/off switch
	Audio mute switch
	Audio gain pot with 40-dB adjustment range
	Rotary channel switch
Displays/Indicators	Power on/low battery LED (red LED flashes upon turn on; LED stays lit when low-battery voltage impacts system performance.
Battery Life	8-10 hours with 9-Volt alkaline
Bodypack Antenna	Flexible external ¼-wave
Handheld Microphone Antenna	Internal ½-wave

Handheld Transmitters

Microphone Element (NRU-N1 handheld system)	N/D167 N/DYM® dynamic cardioid
Microphone Element (NRU-N2 handheld system)	N/D267a N/DYM® dynamic cardioid

Standard Bodypack Microphones

Lavalier	
(NRU-L10 system)	OLM-10 omnidirectional
(NRU-L20 system)	ULM-20 cardioid
Headset (NRU-H1 system)	HM-2 headworn condenser cardioid

Guitar System

Transmitter cord terminated in straight ¼-inch connector

FCC Information

The EV Models **NBPU**, **NBPU-G**, **NHTU-N1** and **NHTU-N2** transmitters are type-accepted under United States Federal Communications Commission Part 74H. The EV Models **NRU** and **NRU-G** receivers are authorized by Declaration of Conformity under the Part 15.101 of the Federal Communications Commission. Licensing of EV equipment is the user's responsibility and license eligibility depends on upon the user's classification and frequency selected. EV urges the user to contact the appropriate telecommunications authority before ordering frequencies other than factory preset frequencies.

CAUTION: Changes or modifications made by the user could void the user's authority to operate the equipment.

FCC Data:

NBPU FCC ID B5DB112
NHTU FCC ID B5DH214

Industry Canada Information

CAUTION: Changes or modifications made by the user could void the user's authority to operate the equipment.

Operation of this device is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference which may cause undesired operation of the device.

Accessories & Parts

Order #:	Description
RM-S (71081-001) . . .	Rack-mount kit – single
RM-D (71081-002) . . .	Rack-mount kit – double
OLM-10	Omnidirectional lavalier mic with windscreen and clip
ULM-20	Unidirectional lavalier mic with windscreen and clip
HM-2	Unidirectional headset condenser mic
450563	Windscreen for OLM-10
300059000	Clip for OLM-10
879155	ULM-20 windscreen
879156	ULM-20 clip
450131	Plastic clip for bodypack
450124	Spring-adjusted mic stand adapter
730139	120-Volt power supply (US/Canada-type)
730140	230-Volt power supply (European-type)
730141	230-Volt power supply (UK-type)



USA	12000 Portland Ave. South, Burnsville, MN 55337, Phone: 952/884-4051, FAX: 952/884-0043
Canada	705 Progress Avenue, Unit 46, Scarborough, Ontario, Canada, M1H2X1, Phone: 416-431-4975, 800-881-1685, FAX: 416-431-4588
Switzerland	Keltenstrasse 11, CH-2563 IPSACH, Switzerland, Phone: 41/32-331-6833, FAX: 41/32-331-1221
Germany	Hirschberger Ring 45, D94302, Straubing, Germany, Phone: 49 9421-706 000, FAX: 49 9421-706 265
France	Parc de Courcerin, Allee Lech Walesa, Lognes, f-77185 Marne La Vallée, France, Phone: 33/1-6480-0090, FAX: 33/1-6006-5103
Australia	Unit 23, Block C, Slough Business Estate, Silverwater N.S.W. 2128, Australia, Phone: 61/2-9648-3455, FAX: 61/2-9648-5585
Hong Kong	Unit E & F, 21/F, Luk Hop Industrial Bldg., 8 Luk Hop St., San Po Kong, Kowloon, Hong Kong, Phone: 852-2351-3628, FAX: 852-2351-3329
Japan	2-5-60 Izumi, Suginami-ku, Tokyo, Japan 168, Phone: 81-3-3325-7900, FAX: 81-3-3325-7789
Singapore	3015A Ubi Rd 1, 05-10, Kampong Ubi Industrial Estate, Singapore 408705, Phone: 65-746-8760, FAX: 65-746-1206
Mexico	Av. Parque Chapultepec #66-201, Naucalpan Edo. Mex. 53390, Phone: (52) 5358-5434, FAX: (52) 5358-5588

For customer orders, contact the Customer Service department at 800/685-6386 Fax: 800/955-6831

For warranty repair or service information, contact the Service Repair department at 800/685-2606

For technical assistance, contact Technical Support at 800/234-6831

Please refer to User Guide Sheet for warranty information.

Specifications subject to change without notice.

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