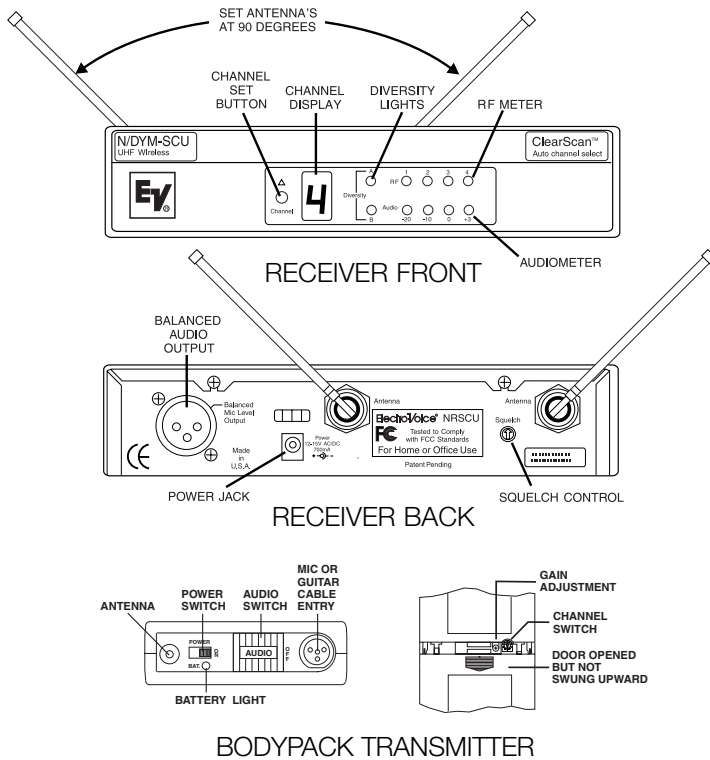


N/DYM® SCU UHF Wireless Receiver – Specification Sheet



General Product Description

The N/DYM SCU is a 10-channel frequency agile wireless system which 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 SCU Receiver features detachable rear-panel mount antennas, front panel RF and Audio level displays, an all metal case, and rack mount hardware is included.

Key Features/Benefits

- 10 channel UHF frequency agility for professional quality performance in any situation.
- **ClearScan™ Auto Channel Select**, which automatically scans and selects a clear channel for effective and quick system set-up and operation.
- Detachable rear mount antennas



- Rack mount hardware included
- RF and Audio level metering
- Rugged and durable metal receiver housing
- Secure-Phase™ diversity for clear and drop-out free system performance.
- SCU Receiver works with all N/DYM transmitters. Handheld transmitters offer a choice of EV's famous N/DYM elements: the 767a, 267a or the 167.

Components Available

Receivers

NRSCU N/DYM SCU receiver

Handheld Transmitters

NHTU-N7 767a handheld transmitter
 NHTU-N2 267a handheld transmitter
 NHTU-N1 167a handheld transmitter

Bodypack Transmitters

NBPU Bodypack transmitter
 (without mic)

N/DYM® SCU UHF System Specifications

Operating Frequencies	A Band: 710-722 MHz (UHF channels 54 & 55) 0/710.500, 1/712.300, 2/713.450, 9/714.250, 3/715.450 5/716.550, 6/718.050, 7/719.300, 4/720.150, 8/721.400 B Band: 722-734 MHz (UHF channels 56 & 57)
Channel 54 (Switch Pos./Freq., MHz)	
Channel 55 (Switch Pos./Freq., MHz)	
Channel 56 (Switch Pos./Freq., MHz)	tbd
Channel 57 (Switch Pos./Freq., MHz)	tbd
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
Simultaneous System Operation	5 – within one frequency band

Receivers: SCU

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, detachable on rear panel. Note: (remote antennas and antenna splitters can be used with this product)
Displays/Indicators	Channel set: seven-segment LCD Diversity LED's: A or B lights to indicate when diversity circuitry switches from one antenna to the other. Tx On LED: lights when carrier signal is present. RF Signal Strength: 4 segment LED lights to show strength of received RF signal. Audio Signal Strength: 4 segment LED lights to show audio signal amplitude
Receiver Type	Synthesized PLL
Size (receiver housing)	190 mm (7.5 in.) x 145 mm (5.75 in.) x 43 mm (1.7 in.)

UHF Transmitters: NBPU, NHTU-N7, NHTU-N2, NHTU-N1

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
TA4F Connector Wiring (on bodypack only)	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)
Handheld Transmitter Microphone Elements:	
NHTU-N7	N/D 767a dynamic cardioid
NHTU-N2	N/D 267a dynamic cardioid
NHTU-N1	N/D 167 dynamic cardioid

Bodypack Transmitter microphone elements:

Can be used with any compatible microphone elements. See above for TA4F Pin-out wiring.



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FCC Information

The EV Models NBPU, NBPU-G, NHTU-N1, NHTU-N2 and NHTU-N7 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)
MSSA	Deluxe handheld mic stand adapter

U.S.A. and Canada only.

For customer orders, contact the Customer Service department at 800/392-3497 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 800/392-3497

Please refer to User Guide Sheet for warranty information.

Specifications subject to change without notice.