

# SPS-5 v9E XL Alphanumeric Paging System

A Heavy Duty 100% Duty Cycle Paging Transmitter



*“Enhancing Mobile Alert Response”*

Visit Our Website at:

[www.WirelessMessaging.com](http://www.WirelessMessaging.com)

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The WaveWare SPS-5 v9E XL is just 1 of 3 of the Latest Models of our Line of Alphanumeric Paging Systems.

This New Transmitter is Rated as **100% Duty Cycle**.

The SPS-5 v9E XL POCSAG Paging Transmitter works well for those Sites where the Paging Traffic is Higher than Normal.

The SPS-5 v9E XL includes a Thermally Controlled Fan Kit, which Cycles On/Off as Required to keep the Transmitter at its Operating Temperature and also offers a “Test Fan” Feature.

This New **5-watt** Model Transmitter offers the same Model v9E Encoder Board Features and includes All 3 Simultaneous Connections as all v9E Models offer.

## Features:

The Superior Features of the WaveWare SPS-5 v9E XL Paging System Include:

- **Ethernet** Port – Supports 2 TCP/IP Connections
- Serial RS-232 Com Port (DB-9 Female) – Qty. 1
- Simultaneous Control via One Serial Port and up to Two Ethernet Socket Connections
- Supports TAP, COMP1, COMP2, SCOPE, SNPP and WaveWare Proprietary Interface Protocols
- Compatible with Industry Standard POCSAG Pagers
- Supports POCSAG Alphanumeric, Numeric and Tone / Vibrate Messaging at RF Data Rates of 512, 1200 and 2400 bps
- Available in UHF Models (400-430 MHz and 440-470 MHz) or VHF (138-174 MHz)
- Supports TAP Interface Protocol v1.8 with Enhancements Including Control Character Embedding, Extended Pager ID Processing and Function Code Control
- Programmable EEPROM Based Pager Database using Windows Based Programming Software (Included with each System) or via Web Browser. Pager Database can be Bypassed using Unique Extended Pager ID Formatting Methods
- Programmable Ethernet and Serial Com Port Settings and Protocols
- Pagers and FCC Site Licensing Services are also Available
- Station ID Transmission
- Available as One Single Frequency Only
- **NOTE:** The Single 5-watt Frequency is **Not** Field Programmable



P/N= 0100-3201 5 watts

## Compatibility:

The WW SPS-5 v9E XL Alphanumeric Paging System is Compatible with Many Host Systems. Including:

- A Variety of Nurse Call Systems
- Fire Alarm Monitoring Panels
- Alarm Contact Monitoring Systems
- A Variety of Security Systems
- Plus other WaveWare Products, Including: The STG, MARS and the SNAP-Mini and SNAP-Standard

SPS-5 v9E XL Brochure Continues...Next Page

# SPS-5 v9E XL Alphanumeric Paging System

**Beneficial Features:** (Includes: 100% Duty Cycle Radio Transceiver with Heat Sink / Fan Kit Combo)

The WaveWare SPS- 5 v9E XL Alphanumeric Paging System offers many Beneficial Features, also Includes:

- **Ethernet** and Serial Connectivity – Configurable by way of Browser or PC Software
- Simultaneous Operation of up to Two Ethernet Socket Connections and One Serial Port Connection, with Independent Configuration of Interface Control Protocols on each Connection
- Support for DHCP or Static IP Address
- Discover All WaveWare SPS-5 v9E Paging Encoders on the same LAN Network using Encoder Setup Software or by using the WaveWare Discovery Tool
- Economical, Eliminating Wide Area Paging Service Fees
- Long Range Campus Wide Coverage (5 watt System Provides up to a 3 mile Coverage, Depending upon the Local On-Site Conditions)
- Supports Alphanumeric, Numeric, and Tone / Vibe Messages
- Supports Paging RF Data Rates of 512, 1200, and 2400 bps, with Data Rate Auto Switching
- Industry Compatibility using a choice of Several Industry Standard Interface Protocols
- Pager Database can be Programmed into On-Board EEPROM using Windows Based Programming Software, included with each System or via Web Browser. System can Operate without On-Board Pager Database using Extended Pager ID Formatting Method.
- Shared Use FCC Site Licensing available for UHF Models

**System Specifications:** **NOTE: Frequency is Not Field Programmable, 1 Frequency Only**

- Model Numbers: SPS-5 v9E XL UHF (Default) and the SPS-5 v9E XL VHF (Optional)
- Part Number: 0100-3201 UHF (State: VHF, if Required)
- **Ethernet** Port: RJ-45 Female, Supports up to Two TCP/IP Connections on Independent IP Port Values
- Serial RS-232 Com Port: Standard Single Serial DB-9 Female Com Port
- Serial Port Configuration: 300, 1200, 2400 or 9600 Baud and Even or No Parity and 7 or 8 Bits
- Antenna Connection: BNC Female
- Paging Message Types: POCsAG Tone / Vibrate, Numeric and Alphanumeric
- RF Data Rate: 512, 1200 and 2400 bps Auto-Switching
- Pager Database: 5,000 Plus EEPROM Programmable using PC Software or Web Browser
- Interface Paging Protocols: TAP, COMP1, COMP2, SCOPE, SNPP and WaveWare Proprietary Protocols
- All Programmable using Encoder Programming Software (Included with each System) or Web Browser
- Frequency Source: Synthesized Transceiver - **Ritron**
- Frequency Range: (450-470 MHz), and VHF (150-170 MHz)
- Frequency Stability: Models UHF  $\pm 2.5$  ppm, VHF  $\pm 5.0$  ppm
- Operations Rating: Intermittent, **100% Duty Cycle** with Fan Kit
- Power Supply: 12vDC 3.75A (or Higher Amp) AC / DC Adaptor
- Operating Temperature: 30° C to 60° C (22° F to 140° F)
- Modulation Deviation:  $\pm 2.5$  KHz (Narrowband)
- Bandwidth: 12.5 KHz (Narrowband)
- RF Power Out (Watts): **5 Watts Only** ("Factory Preset")
- Transmitter DTX-460-0BN6ILS FCC ID: UHF = AIERIT33-4600 (Ritron)
- Transmitter DTX-460-0BN6ILS Canada ID: UHF = IC: 1084A-RIT334600 (Ritron)
- Enclosure Dimensions: Approx. 9" (H) x 8.5" (W) x 2.25" (D) with Vents
- Weight: Approx. 8.5 lbs (Including the Antenna, P/S, Cables and CD)

## Packaging:

The SPS-5 v9E XL Comes Packaged with Everything you need to Configure and Install the System. Including:

- Qty. One - Rubber Duck Antenna with BNC Male Connector
- Qty. One - 6 ft. Std. RS-232 Serial Cable (DB-9 Male to Female) and Qty. One - 6 ft. Std. Ethernet Cable
- 12vDC Power Supply - AC / DC Adaptor and Mounting Hardware - Screws and Plastic Wall Anchors
- Support CD with Installation Software, Quick Start Guide, User Manuals, Installation Diagrams & More