

# SPS-5 v9E Alphanumeric Paging System

• 5 Watts • Synthesized Frequency • TAP, COMP1, COMP2, SCOPE Protocols • POCSAG Encoding • UHF/VHF



*"We Deliver Information at the Speed of Light"*

Visit Our Website at:

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

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The WaveWare **SPS-5 v9E** Alphanumeric Paging System allows you to Automatically Transmit Messages to Industry Standard On-Site POCSAG Pagers with No Monthly Paging Service Fees. You own All the Equipment.

Text, Numeric and Tone / Vibrate Messages can be Immediately Delivered to Industry Standard POCSAG Pagers.

3 Simultaneous Connections

## Features:

The Superior Features of the WaveWare **SPS-5 v9E** 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 (148-174 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 Serial Com Port Settings and Protocols
- Programmable Host System Monitoring Function using Timer Triggered Transmission of a Predefined Message if Host System Communications Doesn't Occur for Two Minutes
- Pagers, RF Amplification Kits and FCC Site Licensing Services are also Available
- Station ID Transmission
- **NOTE:** The Frequency is **Not** Field Programmable



P/N= **0100-2901** 5 watts UHF

## Compatibility:

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

- A Variety of Nurse Call Systems
- Our Enterprise Messaging Software
- WaveWare Alert Utility Software
- Fire Alarm Monitoring Panels
- Alarm Contact Monitoring Systems
- A Variety of Security Systems
- And Many Other Host Systems

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# SPS-5 v9E Alphanumeric Paging System

## **Beneficial Features:**

The WaveWare SPS- 5 v9E Alphanumeric Paging System offers many Beneficial Features. Including:

- **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 LAN using Encoder Setup Software
- 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 - Amp Kits Available for Output of 25 & 50 watts

## **System Specifications:** *NOTE: Frequency is **Not** Field Programmable, Factory Preset Only*

- Model Numbers: **SPS-5 v9E UHF (Default)** and the **SPS-5 v9E VHF (Optional)**
- Part Number: **0100-2901** 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: 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 - TecNet Maxon SD-125E or Apollo TX-125
- Frequency Range: UHF2 (440-470 MHz), UHF1 (400- 430 MHz) and VHF (148-175 MHz)
- Frequency Stability: Models UHF  $\pm 2.5$  ppm, VHF  $\pm 5.0$  ppm
- Operations Rating: Intermittent, 66% Duty Cycle
- 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 Nominal (Available "Factory Preset" from 1- 5 watts)
- Transmitter FCC ID: UHF = RXUSD-125EU2 (Maxon)
- Transmitter Canada ID: UHF = 153B-SD125EU2 (Maxon)
- Dimensions: Approx: 9" (H) x 8.5" (W) x 2.25" (D)
- Weight: Approx: 8.5 lbs (Including the Antenna, P/S, Cable and CD)

## **Packaging:**

The SPS-5 v9E 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 or 10 ft. Standard RS-232 Serial Cable – DB-9 Male to Female
- Qty. One - 6 or 10 ft. Standard 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