

# SPS-v9E HP Alphanumeric Paging System

An "All-in-One" High Power 25-watt Paging Transmitter



*"Enhancing Mobile Alert Response"*

Visit Our Website at:  
[www.WirelessMessaging.com](http://www.WirelessMessaging.com)

2630 National Dr. Garland TX. 75041 Ph: 1.800.373.1466

The WaveWare SPS-v9E HP is the First **All-in-One 25-watt** Model of our Line of Alphanumeric Paging Systems. This New Transmitter is Rated as **80% Duty Cycle** and works well for use for Multi-Story Buildings and Large Campus Sites.

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

The SPS-v9E HP Includes a **Rubber Duck Antenna**. Includes a **Heavy Duty 15 Amp** Power Supply with Wire Harness. You can also Purchase the **Optional Antenna Kit**, which includes: The 25-Foot of Coax Cable and Antenna Mounting Hardware.

This New **High Power 25-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-v9E HP 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 Network 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 **25-watt** Frequency is **Not** Field Programmable



P/N= 0100-3301 25 watts

## Compatibility:

The WW SPS-v9E HP 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-v9E HP Brochure Continues...Next Page \*\*\*

# SPS-v9E HP Alphanumeric Paging System

**Beneficial Features:** (Includes: 80% + Duty Cycle Radio Transceiver with Heat Sink / Fan Kit Combo)

The WaveWare SPS-v9E HP 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-v9E Series 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 (A 25 watt System Provides up to a 4 to 5 mile “Line of Site” with Coverage Dependent upon the Local On-Site Conditions of each Facility/Campus)
- 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, available as a Download from our Website 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 when Operated within the USA

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

- Model Number: SPS-v9E HP UHF (Default) and the SPS-v9E HP VHF (Optional)
- Part Number: 0100-3301 or 0100-3301A (Note: A= Includes the Optional UHF External Antenna Kit)
- UHF Frequencies are Default (Please State: VHF, if Required and this would be a Special Order item)
- 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
- Rubber Duck Antenna Included and the Connection Type is 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: UHF (450-470 MHz) and VHF (150-170 MHz) Note: VHF is Special Order Only
- Frequency Stability: Models UHF  $\pm 2.5$  ppm, VHF  $\pm 5.0$  ppm
- Operations Rating: Intermittent, 80% Duty Cycle with Fan Kit
- Power Supply: 12vDC to 13.8vDC – Rated at 10 Amp (or Higher), AC / DC Power Converter
- Operating Temperature: 22° F to 120° F
- Modulation Deviation:  $\pm 2.5$  KHz (Narrowband)
- Bandwidth: 12.5 KHz (Narrowband)
- RF Power Out (Watts): 5 to 25 Watts (“Factory Preset” and offers a Single Frequency Only)
- Transmitter DTX-465-0BN301 FCC ID: UHF = AIERIT34-4650 (Ritron)
- Transmitter DTX-465-0BN301 Canada ID: **NOTE: Canadian Approval Not yet Available**
- Enclosure Dimensions: Approx. 11” (H) x 10” (W) x 3.5” (D) with Vents
- Weight: Approx. 20.0 lbs. (Including the Antenna, P/S, Cables)

## Packaging:

The SPS-v9E HP 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
- 13.4vDC Power Supply – 15 Amp AC / DC Converter with Power Harness to Connect to the Transmitter
- Transmitter Mounting Hardware - Screws and Plastic Wall Anchors
- Optional External Fiberglass Antenna Kit – (If Ordered as part of the Complete Package)

# SPS-v9S and v9E HP Power Supply

Model: **DuraComm DPS-15 - Power Supply – AC / DC Converter**



*“Enhancing Mobile Alert Response”*

Visit Our Website at:  
[www.WirelessMessaging.com](http://www.WirelessMessaging.com)

2630 National Dr. Garland TX. 75041 PH: 1.800.373.1466



PN= 0000-0964

---

The DuraComm **DPS-15** is used with the WaveWare **SPS v9S HP** and **SPS v9E HP** Series High Power Paging Transmitters.

## Specifications:

- The DPS-15 Power Supply converts **120-130 VAC** to **13.8 Volts DC** Voltage.  
Providing up to **15 Amps** to Equipment Designed to run on 12 volts DC Systems.
- Filtered and Regulated  
The Unit will Maintain Regulation with Input Voltages from 120-130 VAC and an Input Frequency Range of 47-63 Hz.
- Automatic Shutdown on Low AC Voltage
- Forced Air Cooling
- Fused Output
- UL Listed

---

## Important Information:

- DO NOT Block any Opening in the case or Operate the unit in a Hot Enclosed Environment or Compartment.
- Be sure adequate Ventilation is provided since Heat-Build-up will Shorten Component Life.  
**Note:** Most Audio and Radio Equipment draws much less Average Current than Peak Demand.
- If the unit Stops working, check All the Connections for Tightness and check all External Wiring to the Transmitter.
- If the Power Supply Stops Repeatedly, Verify the Equipment connected does Not Exceed the Power Supply Ratings.  
If the Problem persists, have the unit checked by a Qualified Technician and/or Contact WaveWare Tech Support.
- Under No Circumstance should more than 130 VAC be Applied to this Unit.

---

## Installation Information: (-Do Not Disassemble this Unit-)

- **Important Note:** Install the DPS-15 Power Supply at least **3 Feet away** from the v9S-HP and v9E-HP Transmitters.
- Mount the DPS-15 unit using only the Holes located in the Built-in Mounting Flanges provided.
- The Transmitter Wire Harness is already **Pre-Attached** and **Strained Relief** to the Metal Case.  
**Note:** There should be **“No Reason”** to Remove this Wire Harness.
- This DPS Power Supply has a Thermostatically Controlled Fan System. It can be installed in any Position.  
However, the Best Mounting Position for the DPS-15 is Vertical with the Terminals facing up.  
This Position provides the most effective Cooling for the unit.
- When mounting, leave at least One inch (1”) Clearance on each End and for “Both”, Sides and Top.
- When the Internal or Ambient Temperature exceeds 45 Degrees C (115 F) then the Cooling Fan is activated.
- Insert the AC Plug into an AC Outlet of the Proper Voltage. If not working check the Outlet.
- The DPS Power Supply has a Replaceable External Blade Fuse that will act in the case of Catastrophic Failure.  
Do Not Replace with a Higher Amperage Rated Fuse.