

WaveWare

www.WirelessMessaging.com

On-Site Paging Systems, Pagers and Messaging Software

This Guide Covers the Most Recommended Products for an On-Site Paging System

For More Products, visit Our Website



Paging Systems



Pagers



Software

WaveWare Technologies, Inc.

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Website: www.WirelessMessaging.com

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"We Deliver Information at the Speed of Light"

On-Site Paging Systems

Highly Recommended for Most **Single Com Port** Applications

SPS-5 v9S at 5 Watts UHF

The WaveWare SPS-5 v9S Single Com Port Paging System Allows you to Automatically Transmit Messages to Industry Standard On-Site POCSAG Pagers.

The SPS-5 v9S Paging System is Compatible with Host Systems using the "TAP Direct" Connect Interface, Including:

- o Rauland Borg Responder Nurse Call.
- o Emergin Wireless.
- o WaveWare Alert Utility.
- o WaveWare Enterprise Messaging.
- o Bosch Security Systems.
- o Alarm/Fire Panels.
- o MedHost Systems (WaveWare Protocol).
- o And Many other Host Systems.

- o **For More Details: See v9S Brochure at...**

<http://www.wirelessmessaging.com/brochures.html>



SPS-5 v9S

Includes: v9S System, Rubber Duck Antenna, Power Supply, 10Ft. Serial Cable, Mounting Hardware and Installation CD.

P/N= 0100-2701

The Superior Features of the WaveWare SPS-5 v9S Paging System Includes:

- o 1 RS-232 Serial Com Port (DB-9 Female)
- o TAP, COMP1, COMP2, Scope, SNPP and WaveWare Interface Protocols.
- o Compatible with Industry Standard POCSAG Pagers.
- o Supports POCSAG Alphanumeric, Numeric and Tone/Vibe Messaging at RF Pager Data Rates of 512, 1200 and 2400 bps.
- o Available as UHF (400-430MHz and 440-470MHz) or VHF (148-174MHz).
- o Supports TAP Protocol v1.8 with Enhancements Including Control Character Embedding, Extended Pager ID Processing and Function Code Control.
- o RF Carrier Detect Feature.

- o **Available in 2 or 5 watts, UHF or VHF *.**
* VHF Special Order

The FCC Site Licenses Information.

- o FCC Requires that All Paging Systems have a "Site" License.
- o We Offer the use of our "Shared Use" Frequency Site Licenses.

- o **Or we can help obtain a License for your site.**

FCC

Site Licenses

You may Choose from our List of Shared Use Frequencies

WaveWare "Shared Use" Licenses & Cost:

- o For 2 Watts: P/N= 0512-2250
- o For 5 watts: P/N= 0512-2253
- o For 25 watts: P/N= 0512-2255

- o **For Help Obtaining an "FCC Site License" for Systems needing more than 25 watts: P/N= 0512-2251**

On-Site Paging Systems

Highly Recommended for Most **Ethernet Port** Applications

SPS-5 v9E at 5 Watts UHF

The WaveWare SPS-5 v9E Ethernet Port Paging System Allows you to Automatically Transmit Messages to Industry Standard On-Site POCSAG Pagers.

The SPS-5 v9E Paging System is Compatible with Host Systems using an Ethernet Connection or using a "TAP Direct" Connect Interface, Including:

- o Rauland Borg Responder Nurse Call.
- o Emergin Wireless.
- o WaveWare Alert Utility.
- o WaveWare Enterprise Messaging.
- o Bosch Security Systems.
- o Alarm/Fire Panels.
- o MedHost Systems (WaveWare Protocol).
- o And Many other Host Systems.
- o **For More Details: See v9E Brochure at...**

<http://www.wirelessmessaging.com/brochures.html>



SPS-5 v9E

Includes: v9E System, Rubber Duck Antenna, Power Supply, (1) 10Ft. Serial Cable, (1) Ethernet Cable, Mounting Hardware and Installation CD.

P/N= 0100-2901

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

- o 1 Ethernet Port (Supports 1 IP Address with 2 Socket Connections)
- o 1 RS-232 Serial Com Port (DB-9 Female)
- o TAP, COMP1, COMP2, Scope, SNPP and WaveWare Interface Protocols on Both Ports.
- o Compatible with Industry Standard POCSAG Pagers.
- o Supports POCSAG Alphanumeric, Numeric and Tone/Vibe Messaging at RF Pager Data Rates of 512, 1200 and 2400 bps.
- o Available as UHF (400-430MHz and 440-470MHz) or VHF (148-174MHz).
- o Supports TAP Protocol v1.8 with Enhancements Including Control Character Embedding, Extended Pager ID Processing and Function Code Control.
- o RF Carrier Detect Feature.
- o **Available in 2 or 5 watts, UHF or VHF *.**
* VHF Special Order

The FCC Site Licenses Information.

- o FCC Requires that All Paging Systems have a "Site" License.
- o We Offer the use of our "Shared Use" Frequency Site Licenses.
- o **Or we can help obtain a License for your site.**

FCC

Site Licenses

You may Choose from our List of Shared Use Frequencies

WaveWare "Shared Use" Licenses & Cost:

- o For 2 Watts: P/N= 0512-2250
- o For 5 watts: P/N= 0512-2253
- o For 25 watts: P/N= 0512-2255
- o **For Help Obtaining an "FCC Site License" for Systems needing more than 25 watts: P/N= 0512-2251**

On-Site Paging Systems

Recommended for Most **2-Serial Com Port** Applications

SPS-5 v9 at 5 Watts UHF

The WaveWare SPS-5 v9 Dual Com Port Paging System Allows you to Automatically Transmit Messages to Industry Standard On-Site POCSAG Pagers.

The SPS-5 v9 Paging System is Compatible with Host Systems using the "TAP Direct" Connect Interface, Including:

- o Rauland Borg Responder Nurse Call.
- o Emergin Wireless.
- o WaveWare Alert Utility.
- o WaveWare Enterprise Messaging.
- o Bosch Security Systems.
- o Alarm/Fire Panels.
- o MedHost Systems (WaveWare Protocol).
- o And Many other Host Systems.

- o **For More Details: See v9 Brochure at...**

<http://www.wirelessmessaging.com/brochures.html>



**WaveWare SPS-5 v9
(Dual Com Port)**

Includes: v9 System, Rubber Duck Antenna, Power Supply, 10Ft. Serial Cable (1), Mounting Hardware and Installation CD.

P/N= 0100-2601

The Superior Features of the WaveWare SPS-5 v9 Dual Com Port Paging System Includes:

- o 2 RS-232 Serial Com Ports (DB-9 Female)
- o TAP, COMP1, COMP2, Scope, SNPP and WaveWare Interface Protocols.
- o Compatible with Industry Standard POCSAG Pagers.
- o Supports POCSAG Alphanumeric, Numeric and Tone/Vibe Messaging at RF Pager Data Rates of 512, 1200 and 2400 bps.
- o Available as UHF (400-430MHz and 440-470MHz) or VHF (148-174MHz).
- o Supports TAP Protocol v1.8 with Enhancements Including Control Character Embedding, Extended Pager ID Processing and Function Code Control.
- o RF Carrier Detect Feature.

- o **Available in 2 or 5 watts, UHF or VHF *.**
* VHF Special Order

The FCC Site Licenses Information.

- o FCC Requires that All Paging Systems have a "Site" License.
- o We Offer the use of our "Shared Use" Frequency Site Licenses.

- o **Or we can help obtain a License for your site.**

FCC

Site Licenses

You may Choose from our List of Shared Use Frequencies

WaveWare "Shared Use" Licenses & Cost:

- o For 2 Watts: P/N= 0512-2250
- o For 5 watts: P/N= 0512-2253
- o For 25 watts: P/N= 0512-2255

- o **For Help Obtaining an "FCC Site License" for Systems needing more than 25 watts: P/N= 0512-2251**

On-Site Alphanumeric Pagers

Models Recommended for Most Applications

Apollo Gold or 924 UHF

The Apollo Gold Alphanumeric Pager.

- o Synthesized (Default) or Crystal Types.
- o True Pocket Size.
- o 4-Line with ZOOM.
- o Large LCD Display.
- o Blue Back-Lit Display.
- o User Friendly Interface.
- o **One-Button-Delete Feature.**
- o Selective PC or Hand Programmable.
- o Supported Languages: English, Spanish, Portuguese, Russian, German and French.
- o **Recommended For use: With Our SPS-5 v9S or the SPS-5 v9 or v9E Paging Systems.**

P/N= 929-460MHz



Apollo Gold (ALA-25)

Includes: Holster, Chain, Battery and User Guide.

The Apollo Gold Specifications:

- o Frequency Bands: UHF 408-473MHz, VHF 138-174MHz and 929-932MHz.
- o Pager Baud Rates: 512, 1200 and 2400 bps.
- o Code Format: POCSAG and Flex.
- o Alert Tone Loudness: 85db@30cm (12").
- o Channel Spacing: 25 KHz and 12.5 KHz.
- o Cap Codes: 6 Cap Codes POCSAG, 16 Flex.
- o Dimension: 80 (L) x 53(W) x 20 (H) mm
- o **For More Details: See Gold Brochure at...**

<http://www.wirelessmessaging.com/brochures.html>

The Apollo 924 Alphanumeric Pager.

- o Synthesized (Default) or Crystal Types.
- o True *Mini* - Pocket Size.
- o 4-Line with ZOOM.
- o Large LCD Display.
- o User Friendly Interface.
- o Selective PC or Hand Programmable.
- o Supported Languages: English, Spanish, Portuguese, Russian, German and French.
- o **Recommended For use: With Our SPS-5 v9S or the SPS-5 v9 or v9E Paging Systems.**

P/N= 924ES460



Apollo 924 (AL-924)

Includes: Holster, Chain, Battery and User Guide.

The Apollo 924 Specifications:

- o Frequency Bands: UHF 408-473MHz, VHF 138-174MHz and 929-932MHz.
- o Pager Baud Rates: 512, 1200 and 2400 bps.
- o Code Format: POCSAG and Flex.
- o Alert Tone Loudness: 85db@30cm (12").
- o Channel Spacing: 25 KHz and 12.5 KHz.
- o Cap Codes: 6 Cap Codes POCSAG, 16 Flex.
- o Dimension: 64 (L) x 43(W) x 20 (H) mm
- o **For More Details: See 924 Brochure at...**

<http://www.wirelessmessaging.com/brochures.html>

Or ask us about our other Pager Models

WaveWare Wallpger LED Displays

Models Recommended for Most Applications

AS-112, AS-112R and AS-122, AS-122R

The AS-112 Wallpger.

- o 1 or 2 Line Display (4" or 2" Fonts).
- o Red Display Color (10 or 24 Characters).
- o Built-in Paging Data Receiver.
- o Works like a Pager.
- o Displays up to 24 Messages.
- o Synthesized Receiver.
- o PC Programmable for Freq., CC and BR.
- o Use the Message Time Out Feature or use the "Reset" Message Delete Command.

- o **Recommended For use:** With Our SPS-5 v9 or the SPS-5 v9S or v9E Paging Systems.

P/N= AS112



Wallpger (2 Line Mode)

Includes: Programming Software and OTA Commands on CD.

The AS-112 Specifications:

- o Frequency Bands: UHF 408-473MHz, VHF 138-174MHz and 929-932MHz.
- o Pager Baud Rates: 512, 1200 and 2400 bps.
- o Code Format: POCSAG and Flex.
- o LED Array: 320 x 16
- o Channel Spacing: 12.5 KHz.
- o Cap Codes: 6 Cap Codes POCSAG, 16 Flex.
- o Dimension: 28 (L) x 3 (D) x 6 (H) inches.
- o **Also Avail: in 20 or 52 Characters (AS-122).**

- o **For More Details: See AS-112 Brochure at...**
http://www.wirelessmessaging.com/Product_Brochures.html

The AS-112R Wallpger.

- o 1 or 2 Line Display (4" or 2" Fonts).
- o Red Display Color (10 or 24 Characters).
- o Built-in Paging Data Receiver.
- o Works like a Pager.
- o Displays up to 24 Messages.
- o Synthesized Receiver.
- o PC Programmable for Freq., CC and BR.
- o **Built-in Relay for Annunciation Devices.**
- o Use the Message Time Out Feature or use the "Reset" Message Delete Command.

- o **Recommended For use:** With Our SPS-5 v9 or the SPS-5 v9S or v9E Paging Systems.

P/N= AS112R



Wallpger (1 or 2 Line with Relay)

Includes: Programming Software and OTA Commands on CD.

The Apollo AS-112R Specifications:

- o Frequency Bands: UHF 408-473MHz, VHF 138-174MHz and 929-932MHz.
- o Pager Baud Rates: 512, 1200 and 2400 bps.
- o Code Format: POCSAG and Flex.
- o LED Array: 320 x 16
- o Channel Spacing: 12.5 KHz.
- o Cap Codes: 6 Cap Codes POCSAG, 16 Flex.
- o Relay Activated when Page is Received.
- o Dimension: 28 (L) x 3 (D) x 6 (H) inches.
- o **Also Avail: in 20 or 52 Characters (AS-122R).**

- o **For More Details: See AS-112R Brochure at...**
http://www.wirelessmessaging.com/Product_Brochures.html

Ask us about our Horn/Strobe Combo Annunciation Devices for Our Wallpger Displays

WaveWare Software

Software Recommended for Sending Custom Text Messages and for Port Monitoring, Routing, Escalations and Translations of Paging Messages

WaveWare Enterprise Messaging and Alert Utility Software Packages

Enterprise Messaging Features:

Our Enterprise Messaging Allows you to Enhance Operational Productivity by Delivering Messages from your Windows Desktop to:

- o On-site Pagers
- o Internet Email
- o Wide Area (City Wide) Pagers

Other Features Include:

- o User Friendly Interface
- o The Software Requires a Registration Key
- o And Many more Basic Features

New Features Include: (For the Unlimited Clients Only)

- o Web Client to Send Email via your Web Browser
- o Web Browser Messaging Interface

* Our Enterprise Lite (3 Client Version) is Also Available

P/N= 0212-0003



Enterprise Messaging

Includes: *Unlimited Clients* and Web Client Browser Feature and Much more.

NOTE: IIS Must be Turned OFF

Desktop Computer Minimum Requirements:

- o Only Desktops are Supported, **NO** Servers
- o Only Windows XP Pro and Windows 7 Pro SP1 Operating Systems are Supported
- o 1 GHz Processor or Higher Speed
- o 10 GB Hard Drive or Larger
- o 2 GB Memory Minimum
- o 1 RS-232 Serial DB-9 Com Port
- o 1 Ethernet Port

For More Details: See Enterprise Brochure at:

http://www.wirelessmessaging.com/Product_Brochures.html

Recommended For use:
With any of Our **SPS-5 v9Series** Paging Systems.

Alert Utility Features:

Our Alert Utility Software Allows you to Monitor up to 4 Serial Com Ports for:

- o A Variety of Alarm and Messaging Conditions, with Key String Matching, Translations, Repeats and Escalation for up to 1,200 Alarm Points

Input Protocols Supported Include:

- o Plain Text / COMP1, COMP2, TAP and Inovonics

Output Protocols Supported Include:

- o Direct Serial TAP, SMTP (Internet E-Mail) and SNPP (Internet Paging Carrier), LED Message Boards, WaveWare Enterprise Software, Spectralink Wireless Telephones and Text-to-Speech

Common Applications of Alert Utility Include:

- o Nurse Call / Emergency Call, Building Management Systems, Machinery Equipment, Fire Interface Panels, Industrial Alarms and Security Systems

P/N= 0212-0007



Alert Utility

Includes: *Qty. 3 I/O Ports* Activated. Additional I/O Ports are Available for Purchase, if needed.

Desktop Computer Minimum Requirements:

- o Only Desktops are Supported, **NO** Servers
- o Only Windows XP Pro and Windows 7 Pro SP1 Operating Systems are Supported
- o 1 GHz Processor or Higher Speed
- o 10 GB Hard Drive or Larger
- o 2 GB Memory Minimum
- o 3 Minimum RS-232 Serial Com Ports
- o Additional I/O Ports are Available for Purchase
- o 1 Ethernet Port

For More Details: See Alert Utility Brochure at:

http://www.wirelessmessaging.com/Product_Brochures.html

Recommended For use:
With any of Our **SPS-5 v9Series** Paging Systems.

WaveWare Software - Continued

This Software Package and Products are Recommended for the Assisted Living Environment

WaveWare Call Manager Software can be used with Inovonics EchoStream Products and our SPS-5 v9 Series Paging Systems

Call Manager Features:

Our Call Manager Software is Designed to Monitor Service Requests from Both Inovonics Wireless Transmitters and From Wired Call Systems while Notifying Call Activation and De-Activation Events via Pager and LED Message Boards while Logging the Event History.

Works with:

- o On-Site Pagers and LED Wallpager Signs
- o LED Message Boards (LED Signs)

Other Options Include:

- o Configure up to 2 Input Com Ports
- o Configure On-Site Paging Output
- o Station and Room Assignments
- o Wired and Wireless Devices
- o Register Receivers and Call Devices
- o Configure Message Boards
- o Assign Pagers
- o General Settings

Report Generation Utility Includes:

- o Report Types – Includes Sort by and Filters, Frequent Calls and Receiver Activity and much more
- o Report Dates – A Particular Date or a Range of Dates
- o Report Dates Report Templates to be Emailed to Recipients

P/N= 0212-0022



Call Manager

Monitor and Manage Events

Includes: *Report Generation Utility*

Desktop Computer Minimum Requirements:

- o Only Desktops are Supported, **NO** Servers.
- o Only Windows XP Pro and Windows 7 Pro SP1 Operating Systems are Supported
- o 1 GHz Processor or Higher Speed
- o 10 GB Hard Drive or Larger
- o 2 GB Memory Minimum
- o 2 to 3 RS-232 Serial DB-9 Com Ports
Number or Com Ports Depends on Configuration
- o 1 Ethernet Port

For More Details: See Enterprise Brochure at:

http://www.wirelessmessaging.com/Product_Brochures.html

Recommended For use:
With any of Our **SPS-5 v9Series**
Paging Systems.

Paging System RF Amplification Equipment

Recommended for Most 25 to 50 watt Applications

UHF RF Amplification (Signal Booster) Kits

The RF Mobile Amplifier Kit Allows you to Transmit at a Higher Power Level (watts).

The RF Mobile Amplifier Kit is Compatible with most Low Powered Paging Systems, Including:

- o SPS-5 **v9S** UHF 2 or 5 watt Paging System.
- o SPS-5 **v9E** UHF 2 or 5 watt Paging System.
- o SPS-5 **v9** UHF 2 or 5 watt Paging System.
- o And Many other Paging Systems.
- o **For More Details: See Amp Brochure at...**

http://www.wirelessmessaging.com/Product_Brochures.html

Please Note:

The Paging System and the RF Amp **Must** be **Tuned** together, **as a Package**. Will Not be Sold Separate.



25 or 50 watt Amp Kit

Includes: The TPL RF Mobile Amplifier, a 15 Amp Power Supply, 20" UHF Fiberglass Antenna, 5 Ft. Jumper Coax and a 25 or 50 Ft. RG-8 Coax Cable and Ant. Mounting Hardware.

25-watt Amp Kit P/N= 0007-1002

50-watt Amp Kit P/N= 0007-1003

Additional Information of RF TPL Amp Kits we sell Includes:

- o Requires a 2-watt or a 5-watt Input.
- o 25 watts Requires approx 1.72 watt Input from Transmitter.
- o 50 watts Requires approx 4 watt Input from Transmitter.
- o Available as UHF (440-470MHz) or by Special Order VHF (148-174MHz).
- o 25 or 50 watt Output Combo Amp, meaning that One Amp can do either Output, depends on the Input watts.
- o Power Supply Harness Included.
- o Wall Mountable.
- o **For the Antenna Supplied, see Below.**

The Amp Kit Antenna Information.

- o Used with the 25 and 50 watt Amp Kits.
- o Can be used almost anywhere Inside or Outside the Building.
- o Recommend Installing in a Centralized Location within the Coverage area.
- o Recommend Installing in Upright Position, but can be used Installed Slightly Slanted.
- o Comes with All Mounting Hardware.
- o **Recommend using RG-8 or RG-8U Coax.**



Antenna (Part of the Amp Kit)

Includes: Antenna and Mounting Hardware.

Antenna Kit Specifications:

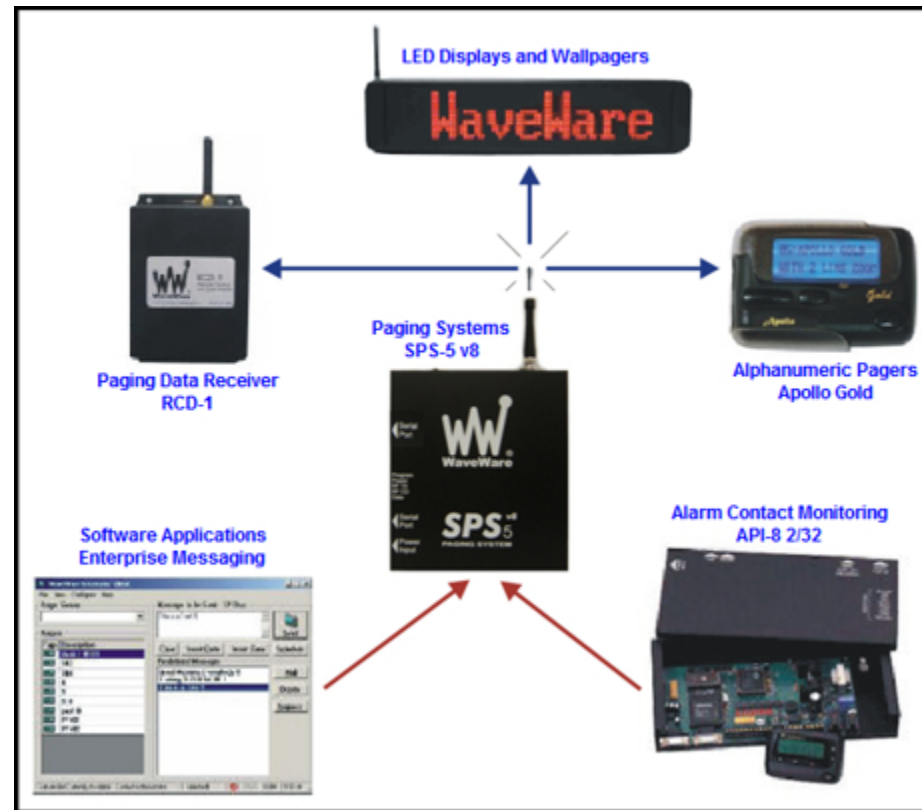
- o Unity Gain Antenna, no Ground Plane. (No DB-Gain with this Model)
- o 18" to 20" Tall Fiberglass.
- o 50 ohms Impedance.
- o 1.5:1 VSWR.
- o Connector Type is N-Series Female.
- o Frequency Range is UHF 450-470MHz.
- o 200-watt Maximum Power Input.
- o **Weights 1 lb. - without Hardware.**

Ask us about Our High Power Paging "Terminals" w/ Power from 25 to 100 watts UHF, Complete and with a 19" Rack Mount Enclosure.

On-Site Paging System Diagram with Peripherals

Highly Recommended for Most Paging System Applications

SPS-5 v9S, v9E or v9 at 5 Watts UHF



The SPS-5 v9S, v9E or v9 Paging System works well with everything you see above and more, including most Nurse Call Products.

Including: Pagers, Paging Data Receivers, LED Wallpager Displays, Alarm Contact Systems and Messaging Software

Please Contact us for Pricing.

Phone Sales: [1.800.373.1466](tel:18003731466) or Email: Sales@WirelessMessaging.com

WaveWare Technologies, Inc.

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