



## WIRELESS MESSAGING – PAGING SOLUTIONS

### SONIK EXPERTISE



#### **In PAGING We're the ONE**

- **Utilities**
- **Emergency Messaging**
- **HealthCare**
- **Public Safety**
- **Private Paging**
- **Wide Area, Simulcast**
- **On-site**
- **High Reliability**
- **Legacy System Support**

For additional Information visit our Web site at [www.SONIK.com](http://www.SONIK.com) or call 760-599-2800.

#### **NEXT GENERATION IN ALL DIGITAL WIRELESS MESSAGING**

SONIK continues to design and develop the Next Generation Wireless Messaging Solutions to provide companies an avenue to effectively renew their investments in paging and extend the useful life well into the future. This includes infrastructure equipment and turnkey, integrated systems.

#### **HIGH RELIABILITY STATE-OF-THE ART WIRELESS TECHNOLOGY**

By taking advantage of today's advancements in scalable, highly reliable, and efficient Digital Signaling Processing (DSP) technology, SONIK's solutions incorporate a proven design, integration and manufacturing technology in each system component. Together with acquired intellectual property licensed from Motorola and others, SONIK solutions surpass the quality standards for meeting mission-critical complex high-performance paging systems.

#### **COMPLETE SYSTEMS - NUTS TO BOLTS**

Having been successfully deployed in the US and Europe and received both FCC and Euro certification approvals, SONIK's Next Generation Wireless Messaging Solutions range from Wireless Messaging Gateways (Paging Terminals), Base Stations Transmitters and Controllers, to individual OEM board level Telemetry / Paging Data Receivers and Pagers. Each component provides an all digital, extremely reliable and a feature-rich solution.

#### **MODULAR DESIGN FOR OPTIMAL FLEXIBILITY**

To meet specialized needs, SONIK utilizes a modularized design for flexible configurations to support specific network equipment requirements. A typical base station may be configured to include a rack mount cabinet, a transmitter, controller, router, lowpass filter and isolator. Our systems add a message gateway or paging terminal, with LAN/WAN, internet, CAD, telco, dispatch console, and alarm network interfaces. We offer both voice and digital paging systems.

#### **LEGACY SYSTEM SUPPORT**

SONIK systems support a wide range of standard network interfaces, and are ideal for both new systems as well as upgrading of existing paging networks. It supports OPP, I20, SYLC and SuperStream protocols and can interface with C2000, C-Net, RF Conductor BATON, Zetron and other controllers. The Direct Digital Paging Transmitter is designed to generate all modern digit paging formats including ReFLEX, POCSAG, FLEX, GOLAY and ERMES.

#### **PARTNER FOR THE LONG HAUL**

With legacy service and equipment providers exiting the paging industry over the past years, SONIK is one of few to be broadening capabilities in the Wireless Messaging paging area. SONIK's on-going, long-term commitment and in-house paging systems engineering expertise make them the ideal partner for years to come, as aging paging and emergency equipment must be updated or face obsolescence.

**In Paging We're The One**

- ▶ Emergency Messaging
- ▶ On-site & Wide Area
- ▶ Telemetry
- ▶ 1 & 2-Way Infrastructure
- ▶ Paging Terminals
- ▶ Pagers



## WIRELESS MESSAGING SOLUTION COMPONENTS

### SONIK Offered Paging Equipment



**Message Gateways,  
Paging Terminals, &  
Network Controllers**



**PTX 150  
Paging Transmitter**



**RFA II – RF Audience II  
2-Way ReFLEX Receiver**



**WMBS  
Wireless Messaging  
Base Station**



**PageLink  
Telemetry Receiver**

### WIRELESS MESSAGING GATEWAYS/PAGING TERMINALS

SONIK offers the full line of Zetron Message Gateways, Paging Terminals and network controllers in support of our systems integration offering. As a Zetron reseller, SONIK not only offers all paging related Zetron products to our customers, but we also offer turnkey, complete, integrated paging systems, to meet any size system requirement. Our systems integration services include system design, full project management, propagation analyses, coverage guarantees, coverage testing, installation, integration, acceptance testing, training, and ongoing maintenance.

SONIK also offers custom software for complete LAN/WAN systems integration, allowing our customers to generate pages and send paging data, from any PC on their LAN/WAN.

SONIK also offers integration with most customers critical dispatching systems, including dispatch console interfaces, CAD (Computer Aided Dispatch), and phone systems.

### BASE STATIONS, TRANSMITTERS, & CONTROLLERS

#### WMBS – Wireless Messaging Base Stations

The Wireless Messaging Base Station is a Next Generation digital and/or analog (voice paging) paging Base Station that is designed to meet each customers own special requirements. Components that SONIK integrates, can include a router, controller, isolator, filters, power supplies, and transmitter, custom rack-mounted and combined in one rack-mount cabinet. It can support OPP, I20, SYLC and SuperStream protocols and can interface with C2000, C-Net, RF Conductor BATON, Zetron and other controllers. The optional Direct Digital Paging Transmitter is designed to generate all modern digit paging formats including ReFLEX, POCSAG, FLEX, GOLAY and ERMES. All of SONIK's transmitters meet NTIA narrowband (12.5KHz) requirements, which are now mandated for Federal Government systems. SONIK has developed custom base stations for Motorola, SkyTel, and M/A-COM, as well as many other customers.

#### PTX-150 Direct Digital Paging Transmitters

These transmitters are designed to meet both today's and tomorrow's most demanding paging requirements. They are narrowband compliant, support on the fly ReFLEX, POCSAG and FLEX (2 and 4 level) modes and include full simulcast capability. It interfaces directly with C2000, C-Net, & Zetron controllers includes complete remote programming and diagnostic capabilities. High power versions are also available up to 500 Watts.

#### RF Audience II

The RFA II is a 2-Way, ReFLEX25 Infrastructure Receiver that offers the wireless messaging industry the first real breakthrough in the performance and economy of ReFLEX25 systems. Jointly developed by Motorola, MobileComm, and SONIK, this new unit utilizes the latest in DSP technology to provide superior RF performance as well as the most comprehensive set of management features and built-in test functions in the industry!

### TELEMETRY DATA RECEIVERS

#### PageLink VHF/UHF/900 POCSAG & FLEX Data Receivers

The SONIK PageLink is ideal for providing remote control and one-way telemetry utilizing either the existing 900 MHz or VHF/UHF FLEX/POCSAG paging infrastructure or on-premises paging equipment. The PageLink receivers are synthesized and operate in the VHF/UHF/900 MHz frequency range, have eight addressable high/low output lines or serial output and are capable of receiving data for up to 16 programmable capcodes for flexible group and sub-group addressing.