



Spok MAXPage Transmitter

MAXPage Features

- * 1000 Pager Capacity with Capability for 20 Groups
- * Alphanumeric, Numeric, Tone, and Voice Paging
- * UHF Frequency Band
- * Internal 2 or 4 Watt Transmitter for up to 1 Mile Range
- * 2 Line x 16 Character Backlit LCD Display
- * Numeric Keypad with 19 Backlit Silicon Keys
- * 4 Tri-Mode User Defined Function Keys
- * 200 Chars/Message (Keypad/Keyboard)
- * POCSAG/2-Tone Voice Coding Format
- * Paging Inputs from Keypad and Alarms
- * Optional Inputs from Keyboard, Windows™ software, RS232 and Telephone Interfaces

The **Spok MAXPage** is a stand-alone desktop paging transmitter with the capacity to store up to 1000 pagers in its database. The paging system uses the POCSAG protocol (2-Tone Voice is optional), operates in the UHF frequency band and can send alphanumeric, numeric, and tone only messages. The unit has a durable injection molded housing for extended product life, and incorporates a powerful 4 Watt internal transmitter, meaning it can provide coverage for small to medium sized paging sites. The MAXPage capabilities can be enhanced with a wide range of optional features that include an external computer keyboard, a telephone paging interface, and an RS232 serial interface for TAP, Scope, and COMP paging control protocols.

Keypad and LCD Interface

Each pager entry in the MAXPage database holds the ID number of the pager, the format of the paging message (Alpha/Numeric/Tone only) and the cap code of the pager. The MAXPage's backlit keypad and LCD allow you to type and send free-form numeric messages directly from the terminal as well as from stored alphanumeric messages using the four onboard function keys. The tri-mode function keys allow users to quickly send preset messages at the touch of a button. They can be used with two other buttons on the keypad allowing three messages to be stored for each of the four function buttons.

Alarm Inputs

The MAXPage transmitter contains four dry contact alarm inputs. Once an alarm is activated, a predefined alphanumeric message is sent to a pager or group of pagers. If the alarm is not reset within a predetermined time frame, a repeat message can be sent to the same pager/group or to an alternative pager/group. This simple yet powerful feature provides a low cost alarm monitoring solution that can be used in a variety of applications.

Alphanumeric Paging (Optional)

MAXPage has the option of adding a keyboard interface for those requiring alphanumeric paging. Plugging in a standard PS2 keyboard to the keyboard interface provides for easy dispatch of alphanumeric messages without the need of a PC.

PBX Interface (Optional)

MAXPage can be connected to a standard telephone line so that anyone can dial into the terminal and send messages remotely. Callers are greeted by a series of voice prompts that guide them through the simple message dispatch process.

Voice Paging (Optional)

MAXPage has a built in microphone, so voice messages can be sent to any pager operating on the 2-Tone Voice protocol. In addition, you can dispatch voice messages from any standard telephone by dialing the MAXPage terminal direct if the PBX Interface option is installed.

RS232 / Serial Interface (Optional)

MAXPage also includes a serial port option which can be used to receive and relay messages from any device that sends messages in TAP, Scope, or COMP paging protocols. MAXPage seamlessly transmits these messages as they arrive.

The TAP (Telocator Alphanumeric Protocol) is by far the most common way to send full-text messages to pagers. It has become the paging industry standard protocol for sending page requests from automated equipment, computers and other data-entry devices to radio paging systems. The TAP protocol primarily is used to forward one or more alphanumeric pages over a single telephone connection. TAP is a digital communications protocol, which operates through dial up modems or dedicated RS-232 serial I/O connections. Nearly 100% of paging systems in the U.S.A. and a large percentage of paging equipment outside of the U.S., provide public access TAP connectivity.

The Scope protocol is a dedicated connection that doesn't require a login process and assumes that the host device, for example a nurse call system, maintains a database of all paging parameters associated with a pager. Scope is a proprietary single serial command string that includes Cap Code, Function Code, RF Data Rate, and Message Values. It can be used in either simplex or duplex operation.

The COMP1 and COMP2 protocols use information defined in pager databases to send messages to one or more pagers. The COMP1 protocol sends raw ascii data while the COMP2 protocol sends a command string composed of PagerID[CR]Message[CR].