



# Introducing... Long Range,

## Wireless

## PA Speaker

## by Ritron®



# LoudMouth™

Wireless PA System

The LoudMouth wireless PA is the *ideal* solution anywhere a hard-wired PA is simply impossible or too expensive to route wire between the desired locations or if the application is temporary. The LoudMouth wireless PA system eliminates trenching while reducing installation costs. It allows personnel to use a portable 2-way radio, base station or mobile radio to deliver "live" voice messages directly to the PA speaker, from up to 2 miles\* away. And it even works with radio repeater systems for added flexibility.

- |                         |                           |
|-------------------------|---------------------------|
| <b>Applications:</b>    | <i>Lumber Yards</i>       |
| <i>Schools</i>          | <i>Salvage Yards</i>      |
| <i>Hotels</i>           | <i>Boat Yards</i>         |
| <i>Factories</i>        | <i>Rental Yards</i>       |
| <i>Office Buildings</i> | <i>Parking Lots</i>       |
| <i>Hospitals</i>        | <i>Construction Sites</i> |
| <i>Airports</i>         | <i>Amusement Parks</i>    |
| <i>Marinas</i>          | <i>Golf Courses</i>       |
| <i>Country Clubs</i>    | <i>Special Events</i>     |
| <i>Warehouses</i>       | <i>Sporting Events</i>    |

- **No Trenching, No Extensive Wiring**
- **Reduces PA Installation Costs**
- **Installs Virtually Anywhere**
- **Improves Communication, Safety/Security and Productivity**
- **Easy "Add-On" to Existing Radio Systems**
- **Accessible from Long Range, up to 2+ mile range**
- **Loud, PA Horn Speaker —95dB SPL@ 50 ft.**
- **PC and Field Programmable**
- **Can be configured for Multiple Zones**
- **110VAC Operation** (power supply included)
- **Rechargeable Back-up Battery** (included)

**Each LoudMouth System Includes:** a VHF or UHF radio receiver with 8 Watt audio amplifier, indoor/outdoor horn speaker with 25ft cable, flush-mount wall bracket, BNC flex antenna, rechargeable back-up battery and 110VAC power supply.

\*Range is based on line-of-sight, no obstructions. Terrain and building type will affect overall range.

Go Beyond Normal Limits...™



# LoudMouth<sup>TM</sup>

Wireless PA System

**What is a LoudMouth Wireless PA?** The system consists of a 1 channel radio receiver, flex antenna, a rechargeable emergency back-up battery, a 110VAC power supply, and a separate PA horn/ speaker that attaches to the receiver. The receiver and PA are activated by the 2-way radio. The radio serves as a microphone and allows "live" voice messages to be delivered to the PA speaker from long-range i.e. across the factory floor or from across a parking lot.

**Features/Benefits**

Field Programmable Frequencies

VHF: select 1 of 26 frequencies, UHF: select 1 of 77 frequencies.

Field Programmable Privacy Codes (digital and analog)

Choose from 153 possible codes for added PA security access

Field Programmable "Paging Codes"

Select 1 of 9 different "paging codes" for added PA security access

Each model can also be PC programmed to a "custom" frequency, a privacy code and paging code using dealer only programming software.

Field Programmable to 5 different Volume Settings

Allows "best-fit" for a variety of applications

9 Auto Speaker Reset Timer Selections (5 seconds up to 4 minutes). After receiver is successfully paged a pre-set timer will begin to count down, a valid radio signal must be received before the receiver re-sets.

VHF/UHF industrial grade receiver is small, lightweight and housed in a rugged, sealed weather-resistant housing. Includes a wall mounting bracket. Receiver should be mounted in a protected area away from the elements (7"h x 5"w x 3"d, 2lbs).

Rechargeable Back-up Battery automatically provides power to the receiver in case of power failure. Enables an additional 8 hours of communication over the PA speaker, at a reduced audio output level.

One LoudMouth receiver can support up to 2 separate Ritron PA horn speakers in parallel for additional PA coverage

System allows for multiple paging zones so portable radio can access more than one PA speaker/zone.

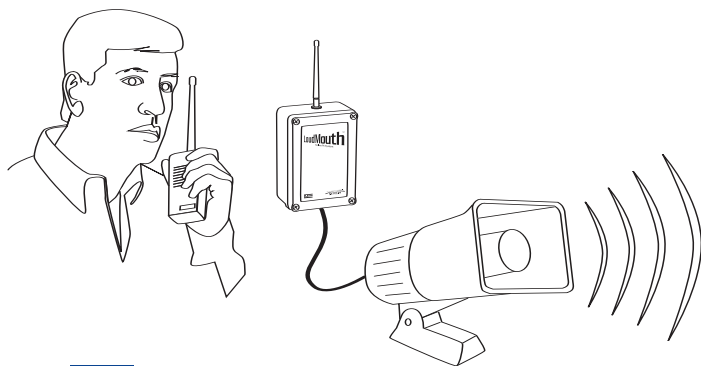
The indoor or outdoor PA horn speaker delivers 95dB of audio output @50 feet, so even in noisy environments, you can get your message out loud and clear.

Operating Temperature is -22° F to +140° F

Receiver sensitivity .20uV @12dB SINAD

Frequency Response – 300 to 3000 Hz de-emphasied

Signaling – CTCSS and DCS decode, 2-Tone Decode and Optional DTMF (Touch-Tone) Decode.



**Accessories**

**RAM-1545** -Mag Mount Antenna. If additional receiver range is needed, an optional external antenna with 25 feet of cable can be connected to the receiver and installed outdoors.

**BP-LM6** -Replacement Rechargeable Back-up Battery. 800mAh capacity, will power the LoudMouth radio receiver/PA at reduced audio level for approximately 10 hours if 110VAC power source fails. (10 hour operation @ a duty cycle of 10 pages/hr @ 5 second duration per page.

**PN# 05500040** -Optional LoudMouth PA Horn Speaker

**LMH-100** -Weather proof, tamper resistant fiberglass housing for LoudMouth receiver.

**RSS-100 Solar Power Package** -Solar Power Package. 10Watt solar panel, charge controller, lead-acid battery and NEMA-3 enclosure.

**LM-DTMF** -Optional DTMF (touch-tone) decoder (factory installed). Allows keypad equipped radios to selectively page LoudMouth receiver/PA. Optional DTMD decoder allows use of the Ritron Quick Talk "24/7 Voice Alarm Reporter". If Sensor or switch connected to the Quick Talk changes state, unit will automatically deliver a stored voice message directly to the LoudMouth receiver and PA speaker.

**Note:** For proper operation the LoudMouth radio receiver and 2-way radio must operate on the same frequency and tone. For selective paging capability 2-way radio must be capable of 2-tone encoding.

**The following Ritron radio models offer two-tone encode capability:**

VHF models: SLX-100, JMX-144D, J-V110<sup>†</sup> portables and JBS-146D base station, RPM-160 mobile

UHF models: SLX-400, JMX-446D, JMX-444D, J-U410<sup>†</sup> portables and JBS-446D base station, RPM-460 mobile

<sup>†</sup>Models with firmware revision 6.0

Audio feedback is a function of the activating radio. To minimize feedback, a distance of at least 50 feet should be maintained between the radio sending the page and the horn speaker. If radio sending the page is equipped with a headset or other noise-canceling audio accessory the likelihood of audio feedback is greatly reduced. All applications are different and the distance required may vary.

Your Ritron Dealer:

**Call 800-USA-1-USA**

The right Wireless Solutions for your communication needs.



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