

VHF Tone Alert Radio

For Emergency Messaging



- ALERT** Four distinct alert tone patterns generated by the WSI Tone Alert Radio are automatically preset at a LOUD volume.
- NOTIFY** Prerecorded audio messages may be automatically broadcast by WSI Controller.
- INSTRUCT** Live broadcast public address may also be used to relay specific instructions.

FEATURE	BENEFIT
Receiver Frequency	Programmable and reprogrammable to use any of 800 unique channels in 150-170 MHz municipal band.
Selective Activation	Alert only designated radios according to serial numbers, special interest groups, or geographic zones.
Loud Alert Tones (85 dB SPL)	Focus/awaken recipients to emergency information.
Daily Silent RF Reception Test	Assure receiver readiness at all times.
Lead Acid Battery with Recharge	Operates during power outages via automatically recharging internal battery.
Audio Line Out	Interface with existing and proposed public address systems.
Strobe Attachment	Comply with Federal ADA for hearing-impaired end users.
Text Display Attachment	Comply with Federal ADA for hearing-impaired end users.
FCC Part 15 A&B Compliant	Fully compliant for use in any home or business.
CSEPP Compliant	This radio meets or exceeds all requirements for indoor alert and notification identified by the Federal Emergency Management Agency (FEMA) and the Department of the Army with respect to the Chemical Stockpile Emergency Preparedness Program (CSEPP).

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VHF Tone Alert Radio — Specifications

Modulation Type	FMA3 (Analog FM)
Operating Frequency	150 - 170 MHz
Number of Tunable Channels	800; with 12.5 KHz center channel step capability
Channel Spacing	25 KHz
Broadcast Deviation	± 5 KHz maximum
Frequency Stability	Better than 2 ppm
Sensitivity	Less than 0.5 microvolt for 12 dB SINAD capability
Adjacent Channel Rejection	55 dB (typical) (based on 25 KHz channel widths)
Spurious Response Rejection	70 dB (typical)
Intermodulation Rejection	70 dB (typical)
Audio Output (at 10 feet)	85 dB SPL (sound pressure level) for tone; 75 dB SPL for voice audio (typical)
Audio Distortion	< 5% at 75 dB SPL, < 10% at 85 dB SPL (typical)
Audio Deemphasis	- 6 dB/octave, 300-3000 KHz (typical)
Primary Power Source	120 VAC, 60 Hz wall plug power supply, UL/CSA Listed
Backup Power Source	Internal 6 V, 2.4 AH trickle-recharged lead acid battery (with dynamic deep discharge prevention)
Mechanical Size	3"H x 7"W x 5"D
Mechanical Weight	3 pounds
Omni-directional Antenna	50 Ω, 0 dBi gain; detachable, externally mounted; two degree of freedom movement
Accessories	<ul style="list-style-type: none"> • Strobe light • Text display • External antenna (indoor/outdoor)
Operating Temperature Range	-20° to +50° C (-4° to +122° F) typical