

HEADLINE

HL-1500 Series

Full Featured Hand Held Radio

Make Your World Smaller With More Impact

HL-1511 5/1W VHF 136-174 mHz
HL-1521 4/1W UHF 430-470 mHz

HeadLine HL-1500 Series LMR Radios are durable, lightweight, and easy to use. PC programmable... the radio may be customized to provide efficient operation for any type of application.



- **99 Channels, VHF or UHF Conventional Operation** - 2.5 kHz PLL Step for VHF Public Safety Pool. Available VHF or UHF, 12.5 or 25 kHz operating bandwidth programmable per channel.
- **Lightweight & Compact** - HeadLine radios are designed for the palm of your hand for maximum portability / ease of use.
- **User Control and A/N Display** - Alpha-Numeric Dot Matrix screen makes multiple channel use easier and more efficient. Keyboard options offer user friendly control of Scan, Squelch, Power, Signaling, Keypad Lock, VOX, and more.
- **Security** - The radio's PIN function prevents unauthorized usage. The password is user changeable for added security.
- **Two-Tone / SELCAL / ANI** - Two-Tone decode and SELCAL signaling systems are programmable in the radio. DTMF ANI is also available for call logging and system authorization.
- **Li-Ion Battery and Battery Save** - The radios come standard with high capacity 1700 mAh Lithium Ion batteries and Dual Technology Rapid Chargers. Battery Save function provides extended operation between charges.
- **Durable Construction** - Manufactured with a tough polycarbonate cabinet and cast aluminum back plate. HeadLine radios have a ruggedness not found in comparable radios. Meets Mil Std 810F.

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HL-1500 Series Full Featured Radio

SPECIFICATIONS

General

Operating Voltage	7.4 Vdc
Operating Temperature	-22 to 140 F (- to 60 C)
Dimensions (HxWxD) in.	4.25 x 2.3 x 1.4
Operating Band Width	12.5 / 25 kHz per channel
Weight w Li-Ion Battery	7.8 oz. (242 grams)
Battery Life (hours)	12 / 20 @ Hi / Lo pwr*
Battery Capacity	1700 mAh Li-Ion
Charge Time Estimate	2-3 hours

*5 / 1 Watt using 90/5/5 duty cycle with battery save

Radio Section

	HL-1511	HL-1521
Frequency Range (mHz)	136-174	430-470
Rx Sensitivity	-119 dBm (.25 uV)	
Rx Spurious	-65 dB	-65 dB
Rx Intermod	-65 dB	-65 dB
Audio Out/Distort (at least)	1W/10%	1W/10%
Audio Distortion	<5%	<5%
Tx Power	5/1 W	4/1 W
Tx FM Hum Noise	>40/35 dB	>40/35 dB**
Tx Spurious Emission	-65 dBc	-65 dBc
Frequency Stability	+/-2.5 ppm	+/-2.5 ppm

**At 25 / 12.5 kHz channels

ACCESSORIES / OPTIONS

Radio Basic Package

Radio Transceiver
1700 mAh Li-Ion Battery Pack
Antenna
Belt Clip
Dual Technology Rapid Charger
User Manual

Optional Accessories

HD and Lightweight Speaker Mics
Earhook Speaker w Lapel Mic/PTT
Clear Earbud w Lapel Mic/PTT
Earhook Speaker w Boom Mic for VOX
Nylon Carry Case w Belt Loop Swivel
Cloning Cable
Programming Cable and Software
1350 mAh Ni MH battery
Uncut VHF Antenna (138-174 mHz)

FEATURES

On/Off Volume Knob
PTT and Monitor Button
Up/Down and Function Select
99 Channels
Dot Matrix A/N Channel Display
Display features:
Alpha-Numeric Channel Designator
RSSI/Tx Power Level Indicator
Battery Charge Level
Feature On/Off Icons
LED Tx Rx Indicator
5/1W VHF 4/1W UHF Power - User Selectable
Squelch - User selectable
Scan - On/Off, Scan List - User Selectable
VOX Transmit, Sensitivity - User Selectable
ANI/SELCAL On/Off - User Selectable
Beep Sound On/Off - User Selectable
Key Lock On/Off, Password - User Selectable
Accessory Jack for Audio Accessories
Spring Loaded Belt Clip with Accessory Cord Retainer

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