



Digital Intercom System Model H9140-HT Headset-Mic, BTH

On land or at sea; for facilities or mobile platforms; in harsh, noisy environments or in quiet areas over long distances; for single or multi-channel communication; with wired security and wireless mobility, the Series 9100 Digital Intercom System provides communication clarity for the working world.

The H9140-HT is a behind-the-head, dual-ear style noise-attenuating Headset, compatible with both U9110 wired Headset Station and U9110-BSW wireless Belt Station. It offers effective hearing protection with comfort, crisp communication without noise, and intuitive functionality with rugged, reliable construction.

Unique to this model is Hear-Through technology, allowing full situational awareness of ambient sound amplification with instantaneous clamping to a nominal 85dB level upon harmful noise levels

As the immediate link between the user and the Digital Intercom System, the H9140-HT provides positive assurance that no critical communications are missed, and that safety and mission efficiency are greatly enhanced.



P/N: 40897G-10

WHAT IT HAS...	HOW IT HELPS...
Hear-Through capability	Level-adjustable amplification of ambient sound provides situational awareness and communication with non-headset users, while instant limiting of impact noise for effective hearing protection
M-2H Advanced Noise-Cancelling Microphone	Enhanced design with fine-tuned sound pressure level sensing optimizes noise cancellation while increasing clarity with focus on speech frequencies
Integrated Microphone PTT Switch	Positive-action momentary switch is located at the microphone bracket; effortless to find and utilize in the most stressful of situations
Dual Volume Controls	Split-audio for wired users allows for enhanced monitoring abilities (audio is summed for wireless users; individual adjustment is retained)
Premium Comfort Accessories	Adjustable overhead strap assembly and undercut silicone/memory foam ear seals, designed for all-weather usability, improved attenuation and superlative comfort.
Coil Cord with Quick-Release Connector	Allows rapid change-over between wired and wireless options for mission flexibility; IP-68 connector assures connection integrity

H9140-HT - Technical Data

PHYSICAL	
Weight	16.3oz/462g
Communication Cord	6 ft coil, with JAE connector (8-pin, JB5 series)
Dome Type	Lightweight, ABS
Hardware	Stainless-steel; EM coat 6226
Potentiometer	220 ohm +/- 20% (2 each)

MICROPHONE (comm)	
Microphone Type	M2H, Dynamic noise-cancelling
Boom Type	Hybrid wire/flex
Microphone Control	Momentary PTT (mic bracket)
Impedance	150 ohm nominal
Sensitivity	320uV nom., into 150 ohm load re: 94dB SPL 1/4" @ 1kHz
Frequency Response	100Hz to 10kHz
Source Resistance	150 ohm nominal

EARPHONE	
Earphone type	Titanium Nitride driver
Impedance	35 ohm +/- 10% @ 1kHz
Sensitivity	100 dB SPL/1mW @ 1kHz
Frequency Response	20Hz to 20kHz
Total Harmonic Distortion	<0.3% nominal

Refer to Operation Manual, Communication Headset, Model H9140-HT (*document #19602P-31*) for general use and care information.

Refer to Component Maintenance Manual, Series 9100 Digital Intercom System (*document #19602P-99*) for complete instructions on headset donning, microphone and volume adjustment, connection, spare parts replacement, cleaning and general maintenance of this and other headsets, and well as maintenance instruction on other system components.



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