



XG-75
Portable
VHF, UHF-L,
700/800 MHz

RELIABLE PERFORMANCE UNDER HARSH CONDITIONS

XG-75: The Most Robust Solution for Mission-Critical Communications

The XG-75 meets the requirements for a rugged radio that performs under the most adverse conditions. Delivering high reliability, multi-mode operation, clear voice quality, secure communications, and assured interoperability, the portable provides the tools first responders need to communicate with each other and their command centers in day-to-day service and emergencies to defend and protect lives.

Standard features found on the XG-75 include:

Extremely Rugged for Field Use – meets MIL-STD-810G for durability, and certified for more stringent tests of 1.5-meter drop to concrete, immersion of 2 meters for 4 hours, and IP68 for dust-tight and continuous immersion
Active Noise Cancellation – with dual microphones for users in noisy environments

AMBE+2™ Vocoder – provides noise cancellation capability and enhances audio quality

Single-Key DES Encryption – affords secure communications

Instant Recall – allows user to replay last transmission received

Factory Mutual Intrinsicly Safe – permits operation in hazardous conditions when paired with an Intrinsicly Safe battery and other accessories

Lightweight Design – does not weigh down a user with its total weight of 15.8 ounces (including Lithium Ion battery)



SCAN SYSTEM

HARRIS
assuredcommunications®

Available in both System and Scan models in black or high-visibility yellow, the XG-75 offers a full complement of accessories that operate under the special conditions experienced by first responders.

FUTURE READY

The XG-75 is an investment that agencies can rely on as transitions occur to P25 technology. The portable supports wideband and narrowband channels and its software-defined architecture allows field upgrading to future operating modes such as P25 Phase 2.

SUPERIOR AUDIO EXPERIENCE

The XG-75 delivers the exceptional audio that users have grown to expect from Harris. The enlarged speaker chamber provides extremely powerful audio, up to 3.8 Watts. Dual microphones, Harris' active noise-cancelling algorithm, and the AMBE+2 vocoder optimize the quality of communications. The vocoder also controls distortion that may occur from shouting into the microphone. Through high-quality voice coding and robust audio components, the XG-75 provides the loud and clear audio that critical communication users require.

EQUIPPED FOR EXTREME CONDITIONS

The XG-75 meets the highest immersion and drop specifications of any Harris radio. The portable was certified to MIL-STD-810G transit drop shock testing of 26 drops from a 48-inch height to wood and then the same radio unit was certified to MIL-STD-810G immersion testing in 1 meter for 4 hours. In addition, the portable is certified for a 1.5-meter drop to concrete, immersion of 2 meters for 4 hours, and IP68 dust-tight and continuous immersion. The XG-75 is Intrinsically Safe and approved by Factory Mutual for use under hazardous conditions. The XG-75 meets the stringent requirements for operation in extreme environments.

LIGHTWEIGHT AND ERGONOMIC DESIGN

The XG-75 is one of the lightest radios in the Harris portfolio, weighing 15.8 ounces with the Lithium Ion battery. From the keypad buttons to the battery, each aspect of the radio has been developed to provide a better user experience. The knobs and buttons of the XG-75 are designed to be strong enough to protect against impact and are shaped to avoid incidental changes while still being easily managed by users wearing heavy gloves. The XG-75 is simple to operate so users may focus attention on the situation rather than on radio operation.

ACCESSORIES



The XG-75 is available with a wide range of Harris accessories. Several are shown below.

The VC4000 Charger may be mounted in a vehicle or used as a desk charger to charge NiMH and Li-Ion batteries in about 1.5 hours. The unit provides microprocessor-controlled charging for long battery life and maximum battery performance, and protective circuitry to prevent damage to batteries resulting from charging when outside the required temperature or voltage range. The VC4000 can charge batteries with or without the radio attached, and can accommodate a portable with the speaker mic still attached.



The heavy-duty over-the-head headset provides clear two-way radio communications in high noise environments. It has a certified noise reduction rating of 24 dB and includes a flexible noise-canceling boom microphone that fully rotates for left- or right-side positioning, cloth-covered ear seals, and in-line PTT. Cables are durable and flexible for demanding environments.



The 3600 mAH Lithium Polymer battery is the highest capacity Harris battery for single-band radios. Offering the ultimate in performance and ease of use, the battery has an average 16-hour shift life, 400 charge cycles, and maintenance-free Lithium battery technology. With its IP67 rating for immersion and dust/dirt particle intrusion, the battery is ideal for public safety, commercial and industrial, and utility applications.

