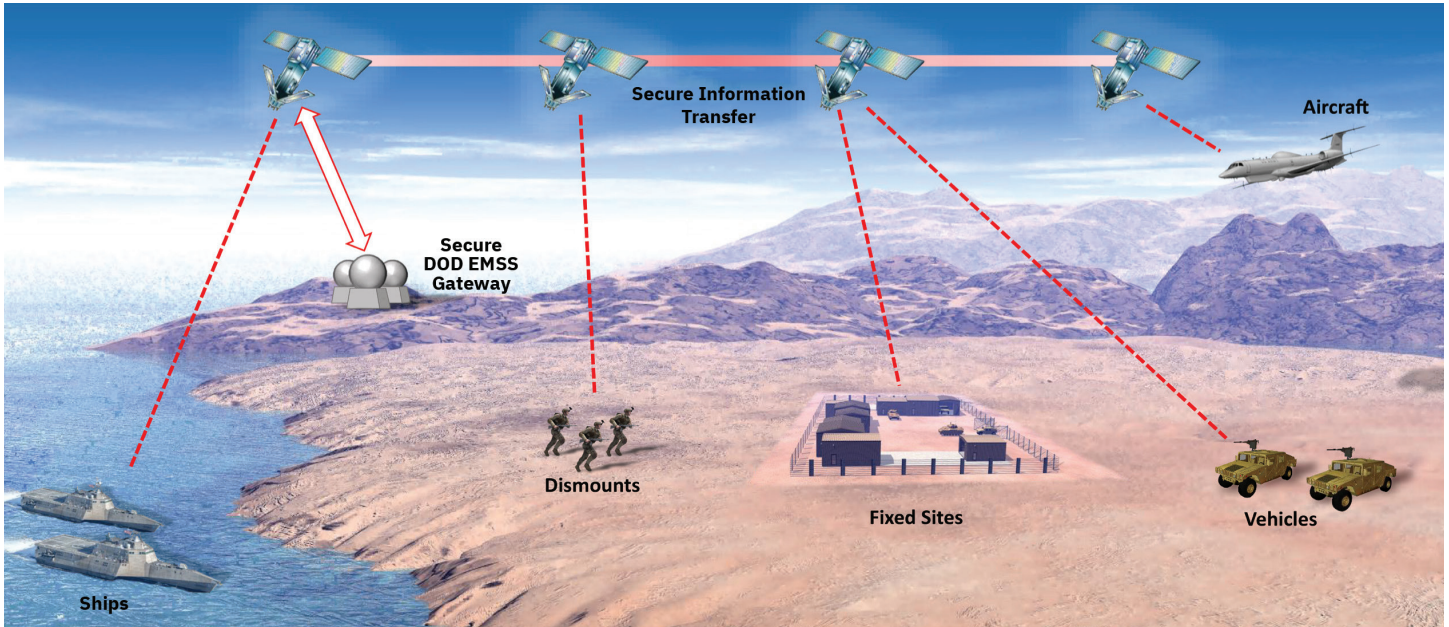![L3Harris logo] **L3HARRIS®** FAST. FORWARD.

WHEN THE MISSION TAKES YOU BEYOND LINE OF SIGHT

RO®-X Tactical Radio

WHEN THE MISSION TAKES YOU BEYOND LINE OF SIGHT, WE HAVE YOUR BACK

The need for disadvantaged users to acquire and manage critical communications has evolved along with the technologies themselves. Uninterrupted messaging and situational awareness are now critical along with voice communications.

Secure Information Transfer

Aircraft

Secure DOD EMSS Gateway

Dismounts

Fixed Sites

Vehicles

Ships

BENEFITS

> True global push-to-talk (PTT) allows worldwide connection at all times

> Small and lightweight design lessens load on personnel in the field

> Over-the-air rekeying (OTAR) provides secure communications

> Crystal clear voice while stationary and on-the-move (OTM) requires less transmissions

> Integrated messaging and global positioning system improves efficiency

> Ease of use requires less training time

RO-X
Tactical Radio

RO Tactical Radio

The L3Harris RO tactical radio has always provided the required beyond line-of-sight voice communications. Adding an external device such as the RO®-Mobile Awareness Platform (RO-MAP) personal data assistance (PDA) provided messaging and situational awareness.

The new RO-X takes the proven RO tactical radio and RO-MAP PDA capabilities and integrates them into one small and ergonomic radio.

RO-X radios, based on L3Harris AssuredReach™ technology, go to extremes to provide (OTM), over-the-horizon (OTH) secure voice, data and position location information (PLI) in a ruggedized, field-proven handheld communications device. RO-X utilizes the Distributed Tactical Communications System (DTCS) provided by the United States Space Force (USSF) Enhanced Mobile Satellite Services (EMSS) office.

The RO-X tactical radio meets the Federal Information Processing Standard (FIPS) 140-2 Level 2 requirement which provides an enhanced level of security. A DTCS Net Manager Web Portal has been developed to allow units to manage their own radios. This is a secure web-based interface to allow configuration, monitoring, rekeying and control of unit radios and networks.

Equipped with an embedded GPS receiver, each RO-X radio transmits and receives voice and GPS over a single antenna. Encrypted PLI is transmitted with flexible configurable options to meet operational requirements.

RO-X Tactical Radio

USB connectivity

Loud and clear amplifier

High-resolution display

Integrated messaging

Locates other RO/RO-x radios via GPS

Over 24 hours of battery life

RO TACTICAL RADIO VS. RO-X RADIO

CONVERGED VOICE AND MESSAGING

Delivering instant communications virtually anywhere, the RO-X tactical radio builds off the proven RO tactical radio to provide messaging and texting capability.

FEATURES		
	RO TACTICAL RADIO	**RO-X TACTICAL RADIO**
Push-To-Talk (PTT)	One to many	One to many
Voice	Crystal clear voice	Crystal clear voice
Messaging	Requires external device	Integrated messaging
Display/User Interface	Red LED	Color LED and 18 inch 320x178 pixel, 16-color display
USB	N/A	Yes
Battery	CR123A or RCR123 batteries	PRC-152A or PRC-163 batteries
Keypad	N/A	Full
Over-The-Air Rekeying (OTAR)	Yes	Yes
GPS Capability	Yes, transmitting: time, distance and PTT	Yes, transmitting: time, distance and PTT
Wi-Fi Capability	N/A	Yes
Bluetooth Capability	N/A	Yes
SPECIFICATIONS		
Dimensions	2.9 W x 1.9 D x 6.0 H in (7.4 W x 4.8 D x 15.2 H cm)	3.0 W x 1.75 D x 9.8 H in (7.6 W x 4.5 D x 24.9 H cm) battery
Battery Life	Up to 10 hours	Up to 24 hours
Weight with Antenna and Battery	20.3 ounces	36.0 ounces
Net/Talkgroup/Capacity	10 via knob, 15 overall	10 via knob, 15 overall
Operating Temperature	-30°C to +71°C (-22°F to +160°F)	-30°C to +60°C (-22°F to +140°F)
Durability	IP67, MIL-STD-810G: Temperature shock, humidity, salt, fog, sand, dust, immersion, vibration and shock	IP67, MIL-STD-810G: Temperature shock, humidity, salt, fog, sand, dust, immersion, vibration and shock
Encryption	NIST certified AES 256 voice and data	NIST FIPS 140-3 Certification

L3HARRIS®

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FAST. FORWARD.

RO-X Radio Brochure

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