



L3HARRIS™
FAST. FORWARD.

3 CHANNELS. 3 NETWORKS.
3X SMALLER.

Falcon III® RF-7850D
Multi-channel Modular System





© Crown copyright

LOW-PROFILE, HIGH-POWERED PERFORMANCE

Reimagine what your missions can achieve with the RF-7850D

No comparable radio available today can match the significant size reduction and multi-domain performance of this Multi-channel Modular System.

DUAL-CHANNEL SIMULTANEOUS NETWORKING

All in one compact, powerful radio


The RF-7850D is engineered for battlespace superiority with unrivaled multi-mission and full-spectrum capabilities. Warfighters have the intel edge with real-time, shared Situational Awareness and Friendly Force protection. The radio's technologies unify backbone networks and significantly extend range, allowing the number of forces commanded to double. A Mission Module interface supports immediate addition of video ISR and custom capabilities—or a third channel to simultaneously crossband three disparate networks together.



KEY BENEFITS

- > **Extend communications range** and double the forces commanded with dual-channel capabilities
- > **Modernize forces** through software-only updates and an added third channel with Mission Module expansion capabilities
- > **Seamlessly connect** throughout the battlespace with RF-7850 family interoperability
- > **Harness multi-mission versatility** with the only radio in its class providing full 30 MHz-2.5 GHz spectrum coverage
- > **Enhance warfighter agility** through the RF-7850 suite of waveforms
- > **Simplify network complexity, maintenance and training** leveraging standardized RF-7850 family platform user interface

 **3**
available channels

 **3X**
smaller than the competition

 **3**
simultaneous networks

MORE ROOM FOR MISSION-CRITICAL ESSENTIALS

Tactical vehicles are getting smaller, giving warfighters more flexibility and agility to accomplish their mission. As demands for more covert, quick maneuverability operations also increase,

the RF-7850D answers those challenges with a form factor 2 to 3 times smaller than competitors and unmatched tactical versatility.

- > Deployed for TOC and vehicular use
- > Flexible in-vehicle mounting options—under seat, wall or under dash
- > Easy to install and conceal in a low-profile chassis

L3HARRIS MISSION MODULE

Quickly add third channel capabilities

Share more information and broaden capabilities with the fast addition of Mission Modules as a true, third channel with independent capabilities.

ACHIEVE THREE SIMULTANEOUS CHANNELS THROUGH THE RF-7850D MISSION MODULE, PROVIDING 225-2500 MHZ COVERAGE FOR ADVANCED S-TNW, V-TNW AND TGW2 NETWORKING.

GET AIR-TO-GROUND DATA CONNECTIVITY AND EMPOWER YOUR NETWORK WITH ADVANCED AERIAL VIDEO LEVERAGING THE ISR MISSION MODULE.*

UNLOCK THE FULL POTENTIAL OF THE RF-7850D WITH CUSTOM MODULAR CAPABILITIES, INDIVIDUALLY TAILORED TO YOUR BATTLESPACE DEMANDS.



UNRIVALED MULTI-DOMAIN INTEROPERABILITY

It's all in the RF-7850 family

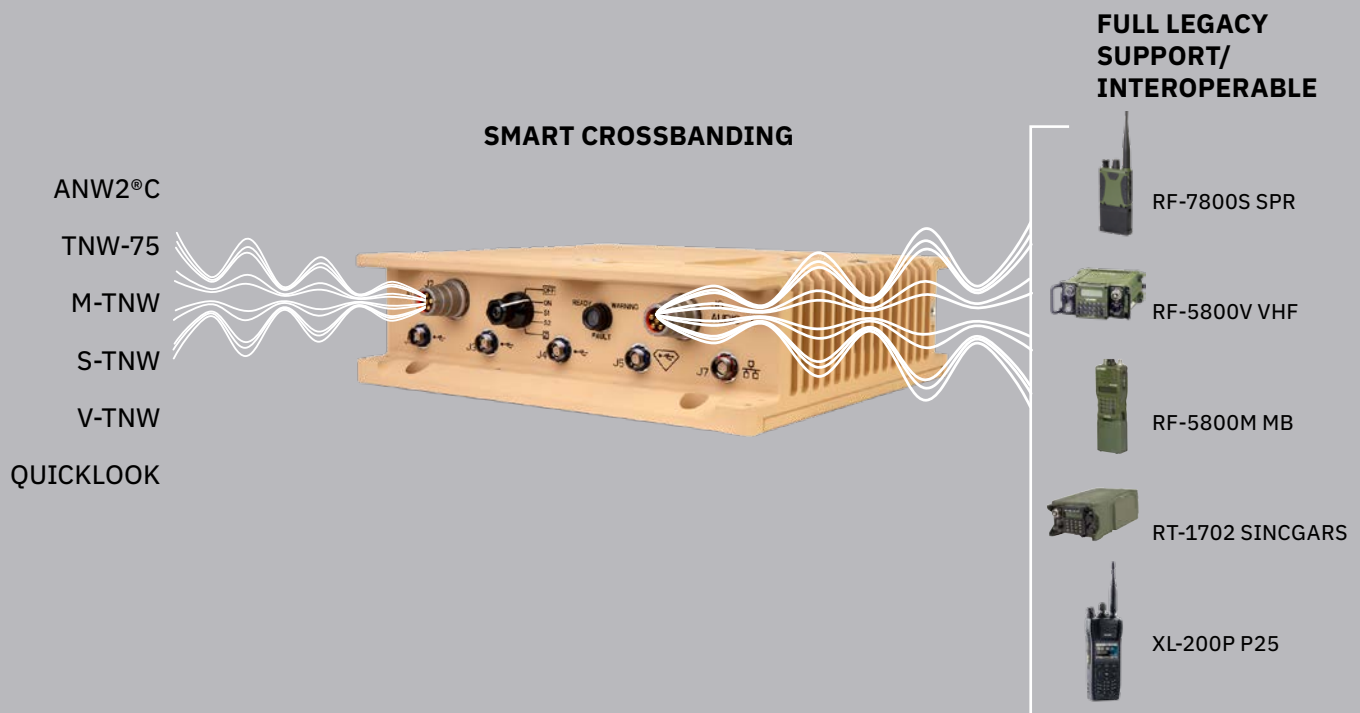
A multi-channel modular system forms the nucleus of the RF-7850 family of tactical radios, delivering full battlespace interoperability and a bridge for air-to-ground backbone networks through long-range, dual-channel communications. The RF-7850D supports faster, better-informed decisions through the seamless exchange of voice, data, images and Full Motion Video up and down echelon.



BRIDGING TACTICAL NETWORKS TO EXPAND FORCE COMMAND

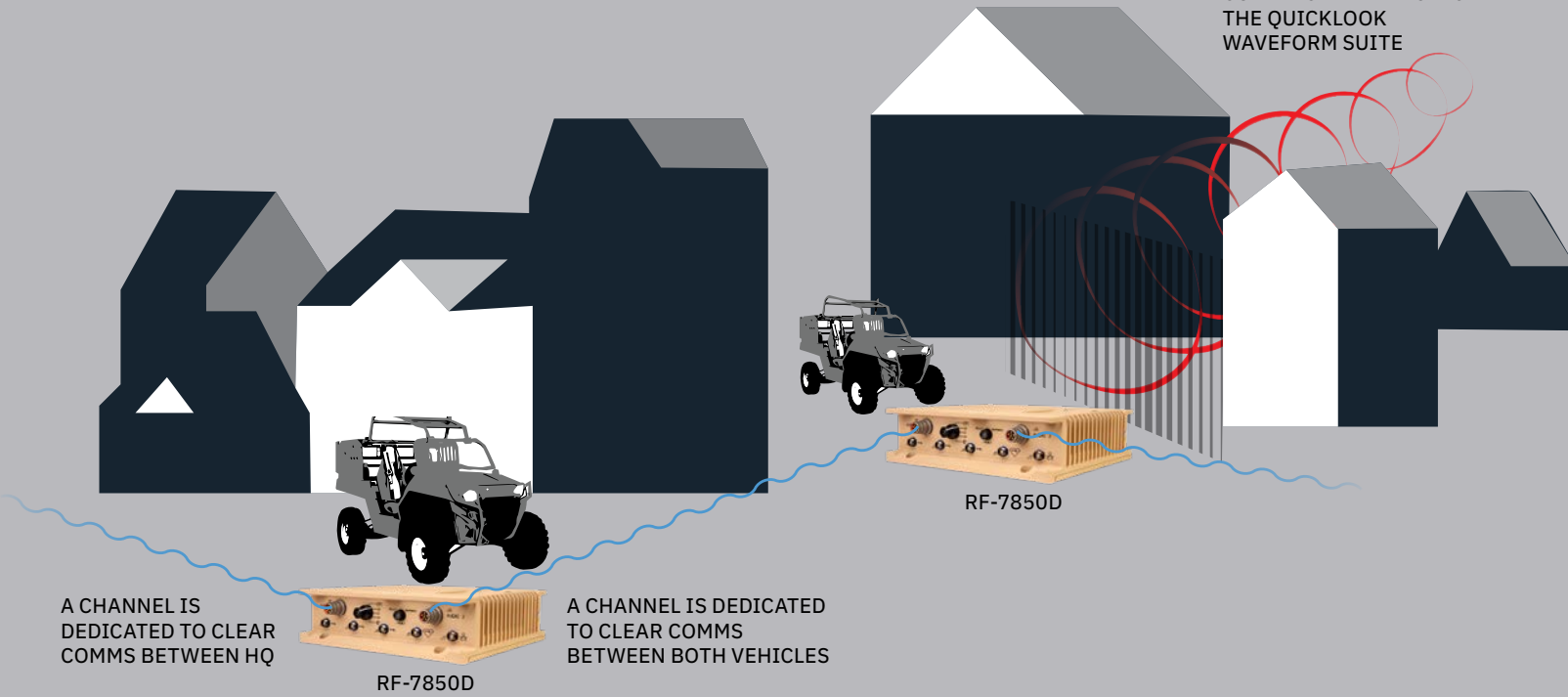


ADVANCED LEGACY INTEROPERABILITY

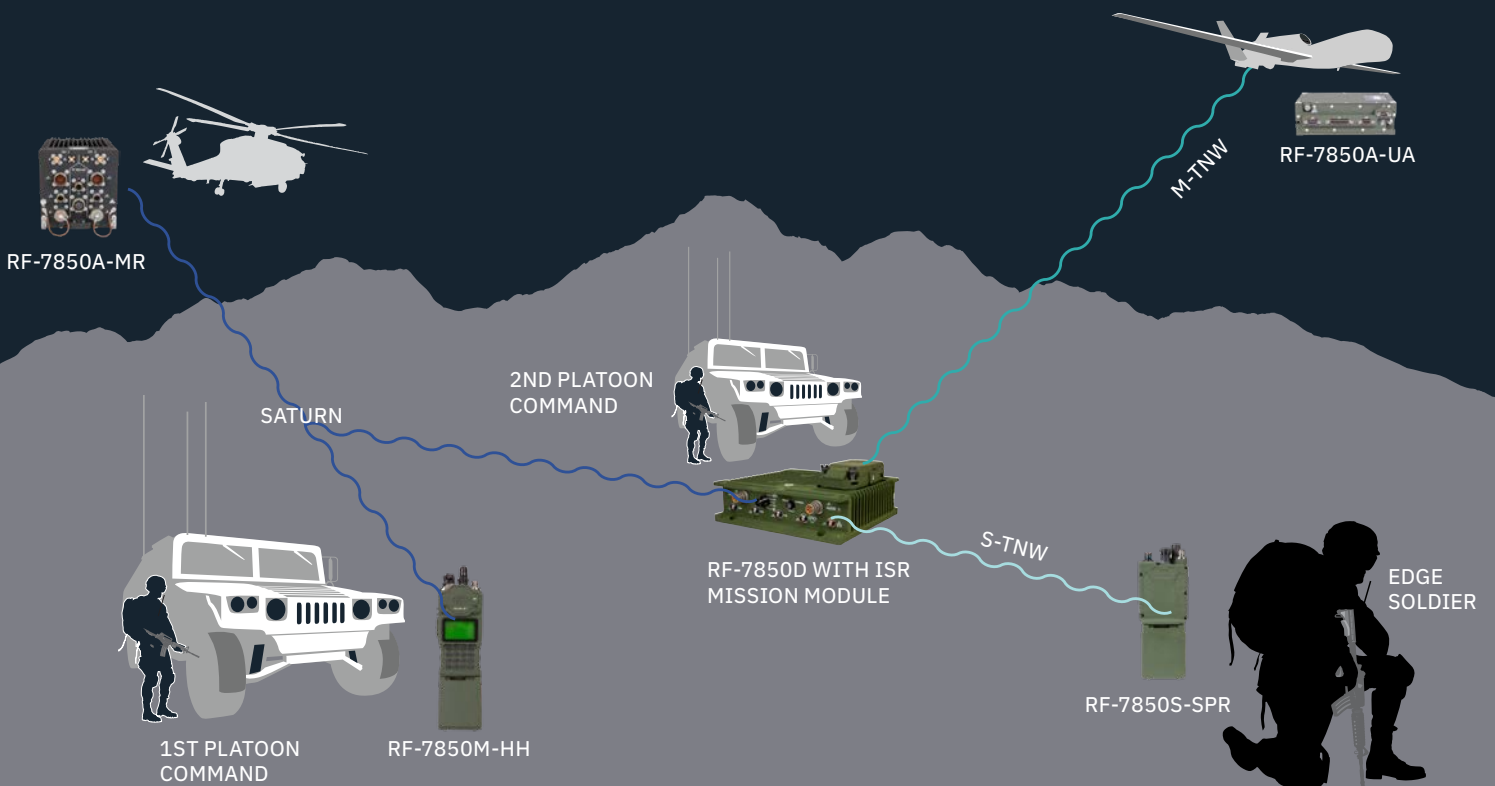


DUAL-CHANNEL, RESILIENT COMMUNICATIONS

SIMULTANEOUS ECCM COVERAGE LEVERAGING THE QUICKLOOK WAVEFORM SUITE



REAL-TIME, AIR-TO-GROUND INTEL SHARING AND CLOSE AIR SUPPORT



FAST. FORWARD.

Falcon III® RF-7850D Multi-channel Modular System

© 2020 L3Harris Technologies, Inc. | 11/2020 BR2301

Non-Export Controlled Information

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

