

THE AN/PRC-148 HANDHELD RADIO: BUILDING FOR THE FUTURE

Warfighters must meet today's critical battlefield communications needs and prepare for the net-centric future. With the AN/PRC-148 JTRS Enhanced Multiband Inter/Intra Team Radio, or JEM, the future of battlespace communications is in hand. The AN/PRC-148 is the smallest, lightest, and most power-efficient, tactical handheld radio in use today covering the 30 – 512 MHz frequency range. It is the most widely-fielded multiband handheld radio in the world.

The AN/PRC-148 JEM's Software Communications Architecture (SCA)-compliant platform hosts all of today's key waveforms and enables the integration of program enhancements, future waveforms, and additional modes of operation, all via simple software upgrades. Waveforms can be loaded onto the JEM's SCA platform, allowing the radio to be used for a wider variety of applications and providing maximum user flexibility and upgradeability.



Thales has fielded a full system of ancillary products built around the AN/PRC-148 that are providing warfighters with additional communications capabilities for mounted and dismounted operations in size-, weight-, and power-constrained environments.

Thales's vehicular systems offer flexible mobility for the JEM. The Thales Vehicle Adapters and Vehicle Adapter Amplifiers provide single and dual channel 50 Watt power amplification for range extension, recharge the radio's battery, and support a wide range of secure and anti-jamming voice and data applications. Thales's unique, cable free, rapid radio dismount capability enables warfighters to shift seamlessly from mounted to dismounted operation in less than two seconds with a fully-charged and immediately operational handheld radio.

The new Extended Band Manpack (EBMP) supplies 20 Watts of extended band operation from 1.6 – 512 MHz. With HF, VHF, and UHF in a single manpack, the

rugged EBMP reduces the warfighter's carry load by replacing two legacy radios at half of the combined weight, size, and cost with no loss of functionality.

Trusted on the battlefield for years, Thales is fielding technology today that is ready for tomorrow.

Taking multiband capability to the next level!



Thales has combined the functionality of multiple radios into a single manpack that provides continuous coverage for HF, VHF, and UHF. The Extended Band Manpack (EBMP) weighs less than 15.5 pounds with the radio installed, providing more capability in a smaller package. The EBMP leverages the capabilities and certifications of the embedded AN/PRC-148 JEM and adds over-the-horizon HF capabilities, including SSB, CW, and ALE. With internal GPS, ease of programming, a user friendly front-loading battery, and the ability to "hot swap" the main battery without rebooting the radio, the EBMP offers long-awaited capability for warfighters.

For information on the complete product family, visit our website and download our AN/PRC-148 Product Catalog.

***Lives Depend On Our Products –
We Will Always Act Accordingly***