

PRR Enhancements

Continuing enhancement of the Personal Role Radio

Radios: PRR



Enhancements to the Personal Role Radio build on the key design features of the PRR, enabling additional capability in the dismounted close combat environment



In response to changing customer requirements, and in recognition of the ever changing close combat operational environment, Leonardo has developed a number of capability enhancements for the Personal Role Radio (PRR). These are available on an as-required basis, supplementing the proven operational capability provided by the PRR.

The PRR retains its original capabilities, ensuring the existing operational effectiveness is not compromised by any of the new enhancements. The PRR at the heart of this system uses advanced 2.4 GHz spread spectrum technology and is based on a power output of 50 mW.

The inherent flexibility of PRR and the proven implementation of the enhancements enable the user to select the combination best suited to his particular requirements.

Main Features

- Encryption
- Extended range
- Enhanced antenna
- Goose neck antenna
- Data enabled
- Rebroadcast station
- Base station for Command and Control posts
- Special-to-purpose ancillaries





Existing PRR Benefits

- Increased tempo of operations
- Improved situational awareness
- Improved survivability: reduced friendly fire incidents
- Integrated on the man with higher level C3I systems
- Simple and intuitive to use
- Compact, lightweight design
- Specialist ancillaries capability for both overt and covert applications, supporting the PRR with a comprehensive range of equipment, including headsets for all applications including; high noise, ANR, in-the-ear, low profiles, lightweight, discreet, covert. Tactical Speaker-mics and waterproof communications solutions, which meet the requirements of a diverse range of users.
- Fully integrated intercom systems, providing a small footprint, fully featured, marinised, walk-on solution

Additional Benefits

- Encryption – high value voice and data information is further protected. Backward compatibility with existing PRR is available
- Extended range – 100 mW PRR with enhanced operating range
- Enhanced antenna – a higher gain, more efficient antenna provides improved coverage in the variety of close combat scenarios
- Goose neck antenna – a more flexible base to the radio antenna allows for special task positioning of the antenna
- Data enabled – enhanced PRR supports existing situational awareness and C3I systems. The Leonardo Infantry Soldier Situational Awareness Tool (ISSAT) is an integrated SA, navigation and messaging system, which is integrated with the EZPRR.
- Re-broadcast station – the introduction of a rebroadcast station into the radio net enables a range extension and thus improved coverage. Uses for this feature include base security and special operations, whilst allowing participating troops to continue to use their existing personal equipment.
- Base station for Command and Control posts – inclusion of PRR (or Enhanced PRR) in a purpose-built base configuration also allows continued use of existing PRRs, reducing new equipment training and support load
- Special-to-purpose ancillaries – PRR and its enhanced versions will include the standard ancillaries (eg. lightweight headset, wireless PTT switch, pouch and NBC microphone adaptor).

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All specifications are subject to change without notice

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