

## MicroLight

Software-defined radio



Derived from the largest installed base of networked radios in the industry, MicroLight™-I incorporates Raytheon's expertise in RF data and voice communications. MicroLight™-I has been packaged to meet the ever changing needs of our customers.

### Benefits

- Fully IP compliant for seamless integration with new and existing networks.
- Ruggedised for ground and airborne operations.
- Ad hoc, self-healing network ensures highest reliability and availability.
- High bandwidth supports transmission of large files.
- Designed for mobility. Ideal for mobile, dynamic, infrastructureless environments.
- Excellent range enhanced by automatic relay and multi-hop.

### High Data Rate for Contention-Free Voice and Data Communications

With the largest installed base of networked radios, Raytheon understands the need for more bandwidth in the tactical environment without sacrificing voice connectivity. Through the use of time division multiplexing, MicroLight™ supports multiple channels of contention-free voice and data simultaneously.

### Designed for Versatility

MicroLight™ is designed to support a wide variety of applications and performs in multiple installation configurations. MicroLights versatility ensures the broadest range of uses. Supported applications include: dismounted soldier, vehicular, airborne, unmanned aerial vehicles, remote sensing platforms and expendable weapon data links.

### Reliable Communications

MicroLight™ is a fully switched and adaptive radio system. Voice and data communications do not have to be disrupted by the loss of a single link. Voice and data transmissions will automatically switch to alternate links using near-by radios as a relay.

MicroLights waveform and switching capability make it particularly suited to Military Operations in Urban Terrain and to Special Forces. Capable of simultaneously supporting voice, data, and Blue Force tracking, the MicroLight™ offers a single radio solution.

### Position Tracking and Reporting

MicroLight™ creates a new class of radio that not only provides secure voice and data communications, but also critical position, location, tracking and information. MicroLight™ automatically pinpoints the location of users through a combination of global positioning system (GPS) and time of arrival (TOA) geo-positioning features.

This provides commanders the ability to accurately know where their people are at all times. This is a standard feature found only in the MicroLight™ class of radios.

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**Raytheon Australia**  
*Customer Success Is Our Mission*