

PR4G Fastnet

is available in 10 W manpack, 10 W vehicular, 50 W single fit & dual fit vehicular versions

## Main Features

- VHF 30-88 MHz band coverage truly useable during combat
   Output power selectable up to 10 W
   Unique field proven 64 kbps ECCM waveform: frequency hopping > 300 hops/s
   High data rate transmission in frequency hopping

- Embedded IP coupler to support tactical Internet implementation

  Ethernet 10 base T & standardised serial interfaces RS 232 / TCP-IP & PPP protocol to support networking

  Internal GPS for GPS localisation and broadcasting: Position reports available for visualisation

  on standard PC display or terminals

  Remote management via a standard SNMP protocol
- ♦ High level of security thanks to Comsec & Transec encryption ♦ Possible customisation ensuring independent security control

- Cristal voice vocoder available @4,800 bps
   Available with STANAGs 4198 (2,400 bps) & 4479 (800 bps) vocoders
   16 kbps CVSD voice coding mode

- Comprehensive Man Machine Interface (MMI) on 4 lines graphical display
   Possible onboard installation of several radios, thanks to high performance cositing protection in power amplifier station
- Autonomy: 24 hrs with Li-lon rechargeable battery or disposable lithium cells
   Reduced size and weight: 264x183x84 mm with handles, 3 kg (manpack)

- Ruggedized design:

   Operational between -40°C to +70°C
   Compliant with MIL STD 810 E & MIL STD 461 D standards
- Comprehensive logistic tools for maintenance tasks (I-Level)Interactive maintenance documentation & training tools



LAND & JOINT SYSTEMS





Across the lines

THALES

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## PR46 F@STNET ACROSS THE LINES

GPS
NAVIGATION AND POSITIONING REPORT FOR SITUATIONAL

AWARENESS

## PR4G Fastnet

the only VHF over IP combat radio with a 64 kbps **ECCM** waveform

PR4G F@stnet provides a vital link for modern digital battlefield communications

A high speed ECCM frequency-hopping waveform guarantees effective radio operation under even the most stringent jamming

PR4G F@stnet provides an effective solution for combat requirements (CNR) and seamless communications with C3I command systems and weapon systems

- New user-friendly Simultaneous Voice & Data (SIVD) transmission service for recurrent and time critical data exchange (Weapon systems, C3I command systems)
   A major breakthrough compared to existing CSMA\* techniques
- Robust, reliable & rapid communications for weapon systems with its TDMA modes
   Compatible with Simultaneous Voice & Data service

- End-to-end radio to C3I command system communications, based on IP technology to support Tactical Internet
   Packet mode over IP (PAS\*) with radio channel access and IP routing optimisation
- Wide range of Combat Net Radio services
- Selective calling, automatic late network and traffic entry, break-in to send urgent orders, relays between combat networks
- protocol
- PR4G F@stnet positioning by GPS On demand or programmed

Telephone subscriber connection to tactical area networks (ACNRi\*)

\*ACNRi: Advanced Combat Net Radio interface \*CSMA: Carrier Sense Multiple Access \*PAS: Packet Access Service \*PPP: Point-to-Point Protocol

\*TDMA: Time Division Multiple Access

EASY CONNECTION: RADIO & LAN INTERFACED

USING TCP/IP

INTEROPERABLE WITH PR4G AIRBORNE

ACCESS POINT TO TACTICAL AREA NETWORKS

COMMUNICATIONS RELAYED THROUGH RADIO NETS

HIGH ECCM PROTECTION BY FAST FREQUENCY HOPPING & BUILT-IN ENCRYPTION

Information Dominance System

System / Command Cont

TDMA FOR TIME CRITICAL COMMUNICATIONS

SIMULTANEOUS VOICE-DATA COMMUNICATIONS

END-TO-END DATA TRANSMISSIONS OVER IP (PACKET ACCESS SERVICE-PAS)

ASYNCHRONOUS POINT-TO-POINT TRANSMISSION OVER-THE-AIR AT 64 KBPS

Combat Net Radio

PR4G F@STNET PR4G