THE HIGHEST VHF DATA RATE RADIO IN FREQUENCY HOPPING

Latest generation of Thales VHF multi-role software radio, the TRC 9215 is the high data rate version of the F@stnet family. Based on a new digital SDR platform, the TRC 9215 supports all the full range of F@stnet waveforms as well as the new F@stnet HD waveforms.

- VHF F@stnet waveforms (CNR, GeoMux, Weapon System Triggering…)
- High data rate (up to 250 kbps in Fast Frequency Hopping)
- Perfectly well adapted to BMS data flow
- Dual programmable encryption (AES 256 and national algorithms)
- Short Message Service (SMS)
- Built-in GPS
- Touch screen user interface configurable with national languages
NEW SOFTWARE DIGITAL PLATFORM
The TRC 9215 is a multi-role VHF Software Defined Manpack Radio designed for multi-mission applications. It delivers Voice and Data services in any environment. It has been designed for dismounted soldiers as well as for vehicle applications. The TRC 9215 is now equipped with a new software digital platform, capable to host numerous VHF waveforms including all PR4G F@stnet waveforms. It enables continuous flow of C2/C4I communications requiring to get advanced real time information for quick decisions – making on the battlefield – and is perfectly well adapted to a modern BMS (Battle Management System) that requires high data rate.

ADVANCED HD WAVEFORMS
GeoMux offers simultaneously three independent services such as Voice, High Data Rate and Blue Force Tracking in 25 kHz or 75 kHz channels.
- It saves investment and reduces the vehicle footprint, one TRC 9215 replacing three standard radios
- Its new high bit rate (up to 160 kbps in 75 kHz in Fast Frequency Hopping GeoMux mode) enables C4I applications without security compromising
- It provides geographical Situation Awareness with GPS positions between units which can be shared by several VHF networks

UNBREAKABLE CUSTOMIZED ENCRYPTION
The TRC 9215 security algorithms are user programmable (bi-mode) and provide the user with its own sovereign secure encryption.
Based on AES 256 bits, this encryption places the level of the PR4G F@stnet COMSEC out of any kinds of unwanted attacks.

EXTENDED VHF RANGE
With a capability of voice and data single radio relay up to 3 hops, the GeoMux mode offers an extended automatic coverage, three times wider than any conventional VHF radio.

IP INTERFACE
All PR4G Thales radio embeds an IP router enabling the creation of mobile tactical internet network transforming all F@stnet radios in an independent node of the IP network.

NEW TOUCH SCREEN INTERFACE
The TRC 9215 offers a new touch screen user interface that allows instinctive use of the radio, in several user languages.

EASY TO PROGRAM
The programing of the radio parameters is facilitated with CONSTELLATION, our mission preparation software. All parameters can be defined depending on the mission decided within few minutes, enabling a quick programing without special training.