THE HIGHEST VHF DATA RATE RADIO IN FREQUENCY HOPPING

Latest generation of Thales VHF multi-role software radio, the TRC 9315 is the 50 W version of the F@stnet HD family. Based on the manpack TRC 9215, the TRC 9315 delivers the full range of F@stnet HD waveforms in secured way.

- SDR digital platform
- Embeds all VHF F@stnet waveforms (CNR, GeoMux, CNR HD, GeoMux HD...)
- Dual programmable encryption
- Short Message Service (SMS)
- Built-in GPS and IP
- Efficient cosite filters
- Easy installation
The TRC 9315 is the vehicular version of the PR4G F@stnet HD family. Its high data rate and long coverage capability make the TRC 9315 perfectly well adapted to modern BMS requiring continuous data flow.

**ADVANCED FEATURES**

The TRC 9315 is built around the TRC 9215 manpack and benefits from all the outstanding features and waveforms of the latter.

The TRC 9315, based on quick plug, enables in case of emergency or in case of maintenance to withdraw easily the manpack from its vehicular mounting station.

As the today operational situations imply the presence of several radios (HF, VHF or UHF) in the vehicle, the TRC 9315 proposes dedicated efficient cosite filters for limiting the interferences between the different transmissions.

**WAVEFORMS**

All PR4G F@stnet waveforms and F@stnet HD waveform including the CNR HD (250 kbps) and the GeoMux HD (160 kbps).

**TRANSMISSION AND ECCM PROTECTIONS**

- Analog Fixed Frequency (clear or scrambled)
- Digital Fixed Frequency (encrypted)
- Fast Frequency Hopping (FFH)
- Free Channel Search (FCS)*
- Automatic Mixed Mode FH or FCS*

*CNR waveform

**UNBREAKABLE CUSTOMIZED ENCRYPTION**

The TRC 9315 security algorithms are programmable and provide for each customer his own unique sovereign secured encryption.

Based on AES 256 bits, this encryption places the level of the PR4G F@stnet COMSEC out of any kinds of unwanted attacks.

**MODULAR CONFIGURATIONS**

The TRC 9315 exists in several product configurations (A/AP/B/C) corresponding to single or dual fit, relay, and with or without cosite filters.

- **TRC 9315 A**: single fit of 50 W VHF vehicular station
- **TRC 9315 AP**: TRC 9315 A + cosite filter
- **TRC 9315 B**: dual fit of 5+50 W VHF vehicular station
- **TRC 9315 C**: dual fit of 50+50 W VHF vehicular station