THALES

> Secure
> Extended range
> Integrated GPS
> 28 hr battery life
> Compact and rugged

RADIO COMMUNICATION PRODUCTS

SQUADNET
Radio Communications for the Modern Soldier

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Radio Communications for the Modern Soldier

In the battlefield you need to know you can rely on your radio to deliver.

SquadNet is designed to perform in the toughest conditions: going further, lasting longer and providing the information that enables key decisions.

Designed to communicate: A clear and simple interface shows at-a-glance the number of connected team members at any time, providing assurance that your message is being received.

AN ASSURED, SECURE AND EXPANDED SCOPE OF OPERATION

Equipped with unique waveform technology and secured with programmable encryption, SquadNet allows greater flexibility and freedom to operate over an extended range.

Traditional radios are limited to their point-to-point range, beyond which communication is lost. SquadNet is different – automatic relaying between radios ensures communication is maintained across urban, wooded and mountainous terrain where other radios may fall short.

In open terrain, SquadNet has a point-to-point range of up to 2.5 km, extending to up to 6 km with automatic network relaying.

Even when this networked range has been exceeded, SquadNet can maintain secure communications over IP networks with an Android app.

SITUATIONAL AWARENESS BUILT-IN

A high-sensitivity GPS receiver integrated into SquadNet offers complete situational awareness. Personnel on the ground view their specific location via the radio's display and are able to automatically share their location with other users on the network.
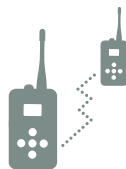
With the SquadNet app installed on a Smartphone or Tablet, each user's position can be displayed on a map or aerial photograph. GPS location data can be shared across a network bridge or gateway to provide a real-time command overview, allowing informed decision-making and efficient, effective operations.

Keeping you connected: Unlike traditional radios, ad hoc networking keeps users connected over extended ranges and challenging environments. Going even further, communication can be maintained over IP networks via an Android app.

SECURE
COMMS
ENCRYPTION
BUILT-IN

EXTENDED
RANGE UP TO
6 KM WITH
NETWORK RELAY

GPS
POSITIONING
ON THE GROUND
AND AT HQ

28 HR BATTERY
LIFE WITH FLEXIBLE
CHARGING
OPTIONS

COMPACT
AND RUGGED
DESIGNED FOR
ANY SCENARIO

EXTENDED MISSION LIFE

SquadNet's high-capacity, rechargeable battery provides up to 28 hours of mission life – dramatically increasing the operational independence and flexibility of personnel on the ground.

Flexible in-field charging options from USB-equipped power sources such as laptops and portable solar panels enable personnel to scavenge power from multiple sources. This, combined with the extended mission life, reduces the need to carry spare batteries thereby freeing up vital space for ammunition, food and water.

By constructing SquadNet around a rechargeable power source, supply chain demand and through-life costs are minimised in comparison with conventional disposable batteries.

DESIGNED FOR NOW AND THE FUTURE

Low weight and encased in a compact, rugged shell, SquadNet is designed to be unobtrusive yet resilient in every environment.

A simple and easy-to-use interface sits atop powerful and functional hardware, providing key functionality and information at a glance – enabling personnel to focus on the mission, not the tools.

This user-orientated design makes SquadNet ideal for personnel of all levels, minimising training time and enabling rapid deployment into use.

Looking to the future, SquadNet is designed to flexibly integrate with COTS systems – Bluetooth connectivity enables integration with Android and other devices.

Longer-lasting: The high-capacity rechargeable battery enables greater operational independence.

Information at your fingertips: Both SquadNet and the supporting Android app are intuitive and easy to use, built with the user's needs at their heart.

Secure ad hoc networking keeps soldiers connected beyond the range of traditional radios because there's no telling where the mission will take you

TECHNICAL SPECIFICATIONS

Small size: 109 mm x 65 mm x 33 mm

Low weight: 250 g (including battery)

Frequency: 865 MHz to 880 MHz

Channels: 100 talk groups over 50 channels with up to 50 users per channel

> Rechargeable, removable 3.7 V battery providing up to 28 hours operational life
> Integrated GPS and Bluetooth
> 'Key Generation and Fill' PC software
> Zeroise capability
> Transmit timeout function
> Robust ancillary connector
> Range of ancillaries

Enhanced level of environmental and EMC performance:

> MIL-STD 810G Environmental
> MIL-STD 461F EMC

Android app with remote control, situational awareness and web-bridge capability:

> Web-bridge via 3G, LTE or Wi-Fi

ABOUT THALES GROUP

Thales is a global technology leader for the Aerospace, Transport, Defence and Security markets. With 61,000 employees in 56 countries, Thales reported sales of €13 billion in 2014. With over 20,000 engineers and researchers, Thales has a unique capability to design and deploy equipment, systems and services to meet the most complex security requirements. Its unique international footprint allows it to work closely with its customers all over the world.

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