



STEATITE COMMUNICATIONS  
PRODUCT PORTFOLIO



TECHNOLOGY FOR EXTREME ENVIRONMENTS



[WWW.STEATITE-COMMUNICATIONS.CO.UK](http://WWW.STEATITE-COMMUNICATIONS.CO.UK)





## STEATITE COMMUNICATIONS PRODUCT PORTFOLIO

Steatite supports its partners and customers with products, training and expertise in the field of tactical networks, datalinks and rugged communications.

Our team of experts will help leverage the power of Wave Relay® - a highly scalable MANET network from Persistent Systems - to support your team in the harshest environments.

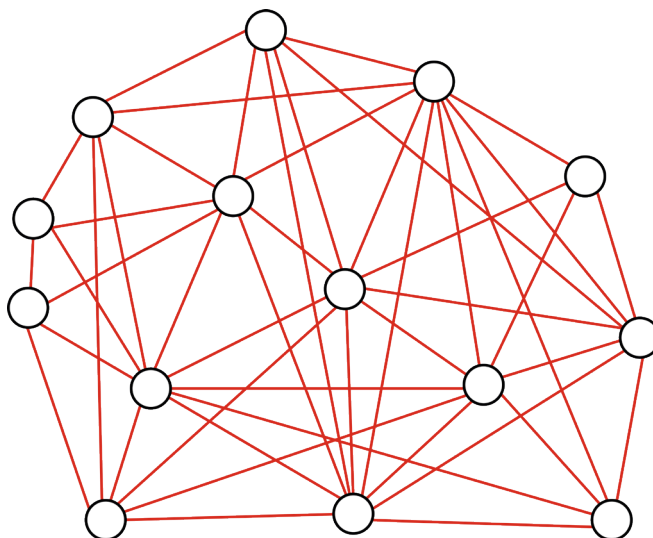
### What is a MANET?

A **M**obile **A**d-hoc **N**ETwork (MANET) is a data network suitable for voice, data and video traffic. The network is ad-hoc because it is not reliant on any pre-existing infrastructure. Data traverses the network by 'hopping' from one network node to another until it reaches its destination.

Wave Relay® MANET networks are self-forming and self-healing. If nodes in a Wave Relay® MANET network become unavailable for any reason, the Wave Relay® algorithm running on the remaining nodes will reroute network traffic seamlessly via the most efficient path.

### Wave Relay® MANET networks:

- are very easy to set up
- are self-forming / self-healing
- support adaptive routing
- support multicast traffic
- support an infinite number of hops
- seamlessly allow nodes to join or leave the network without network disruption
- are transparent - operates at the OSI Layer 2 level
- are mobile - MANET networks don't require any fixed infrastructure
- have the ability for each node to optimally configure its transmission parameters
- are highly scalable - create networks with hundreds of nodes
- operate on 3 x 3 MIMO principles for high performance data rates





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### Datalinks for UAVs, ground and marine communications

By incorporating a Wave Relay® MANET smart radio on board UAVs, users can replace many systems on unmanned platforms with an Embedded Module or MPU5 radio reducing the size, weight, power, and cost.

Introducing Steatite's Multi-Band Tracking Antenna into your MANET can extend your network by ranges surpassing 200 km whilst maintaining a steady stream of throughput, the data can be utilised for a variety of applications.

[Read more](#)



### MPU5 Radio

The MPU5 is the Next Generation Wave Relay® platform. Leveraging multiple leading edge technologies such as MIMO and Android™, the MPU5 is a Smart Radio that delivers increased performance, reliability, and capability to the end user in a small, cost-efficient package.

Stream multiple HD Video feeds, run commercial and custom apps, view situational awareness, and communicate with high quality audio all with a single device and a minimal number of accessories.

[View online](#)



### The CRiB

The Steatite CRiB is a rugged mobile operations hub, providing a powerful multiscreen workstation platform for rapid deployment in the field.

Incorporating the very latest MANET technology, the CRiB can natively connect to a Wave Relay network over RF with no requirement for additional hardware.

[View online](#)



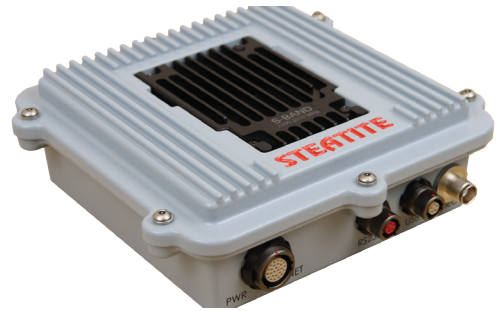


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### Mountable Mobile Communications Unit (MMCU)

The MMCU is a communications unit designed for mass scalability. With interchangeable RF modules the MMCU allows you to adapt and select an operational band best suited to your environment and application without replacing your entire radio inventory or redesigning your embedded radio integration.

[View online](#)



### GVR5

The GVR5 is a Dual Band Wave Relay® MANET solution, enabled with Wave Relay technology. Designed to integrate with your existing vehicle LAN, intercom system, and SATCOM / LTE networks, the GVR5 is ideal for tracked and wheeled ground vehicles as well as aircraft.

[View online](#)



### Wireless PTZ Optical & Thermal Camera

The VE-PTZ-CAM incorporates both optical and thermal cameras in an environmentally sealed rugged PTZ unit. It is ideal for use in harsh environments, incorporating a Sony HD camera with a 30x optical zoom lens and a 63.7° wide angle of view.

[View online](#)



### Authorised Wave Relay® Product Training

Steatite is Europe's leading provider of training services for the Wave Relay® product range, with support direct from Persistent Systems.

We have a proven track record of delivering successful training packages to all group sizes.

Training covers essentials such as MPU5 configuration & maintenance right up to MANET design, implementation & management.

[Find out more](#)





## STEATITE COMMUNICATIONS PRODUCT PORTFOLIO

The UK's only re-seller of Persistent Systems Wave Relay products, including the astounding MPU5 secure MANET radio, Steatite is at the forefront of advanced radio communications with an emphasis on defence, security and autonomous vehicle applications. However, our technology and knowledge extends far beyond this, making us well placed to help you with your most challenging communications requirements.



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