

HELIKITE AIRBORNE COMMS

Instant. Persistent. All-weather. High Bandwidth. Wide-Area. BLOS.



**EAGLE
RADIO ON HELIKITE
= 100 SQ MILES**



**RELIABLE
BEYOND-LINE-OF-SIGHT
COMMUNICATIONS**

**Jungle Operations
Security Forces
Construction
Geologists
Loggers
Mining
Army
Navy
Police
Marines
Ranchers
Exploration
Oil Surveyors
Vehicle tracking
Search and Rescue**

Mobile Ad-Hoc Network (MANET) radios such as the latest Cobham Eagle PRR Radio, carry substantial encrypted information including voice, data, GPS. However the high band width, high frequency, low-power, radio waves required for this cannot bend around terrain. Without a high altitude relay they are generally restricted in range to a few hundred yards, typically less than one square mile.

Clipping a Cobham Eagle PRR radio onto a small Helikite® that then automatically flies to 1,000ft altitude, creates a secure encrypted broadband mobile-ad-hoc-network that is more than a hundred times larger than a ground-based system.

Each Eagle MANET radio automatically hunts and then relays to every other Eagle radio – with no modifications. Nothing could be simpler. Just turn the radio on, set the channel, and it relays to other radios on the same channel.

Once launched, the small, tough, all-weather Helikites can remain flying at over a thousand feet altitude for weeks - completely unattended.

Everything needed, including radios, Helikite, helium cylinders, petrol motor winch, protective tarpaulin bag and flying line can be carried in two backpacks and be deployed to 1000ft in ten minutes.

Helikite Airborne Comms can be operated by one person, day or night from almost anywhere. Fields, forests, mountains, deserts, jungles, ice fields, rooftops, boats or ships.

This is the world's first and only instant, persistent, beyond-line-of-sight, airborne MANET radio system. In terms of speed, ease-of-use, altitude, robustness, cost and versatility, Helikite Airborne Comms out-performs all comparable systems - civilian or military.



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