

COMMCRETE

Solid communication solutions

Flipper

Satellite Communication

Turning any Line Of Sight
radio to a tactical
satellite radio



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Flipper Introduction

The challenge

First responders often work in harsh environment, relying on robust portable radios to provide all-informed communication for control & coordination of dispersed forces.

However, when operational distances extend beyond line of sight, VHF/UHF radios run out of range, unable to meet the requirements.

Using terrestrial repeaters or relay stations has its own disadvantages when nature disasters occur. Deployment of mobile repeaters results in insufficient coverage and lots of logistics.

Furthermore, disasters such as Earthquakes, Wildfires and Floods rule out the ability of terrestrial deployment.

TACSAT on Inmarsat

Flipper complies with Inmarsat's L-TAC service, making it invincible in size and performance. Therefore, the integration of Flipper and customer radio excels in every parameter, both for Voice & Data.

Flipper

Flipper by Comcrete is a very small form factor satellite communication module. It turns any line of site tactical radio of all bands (Commercial VHF, Commercial UHF, High UHF - 900MHz band) to a critical mission satellite radio.

Small, Agile & Multi Band Flexible, Flipper is the right solution for rescuers and first responders.

Whether you're Medical assistance, Law Enforcement or Firefighter, adding Flipper to your radio, immediately connects you to the network regardless of geographic boundaries. The size of Flipper combined with a small omni directional antenna, makes it the ultimate Comms On The Move (COTM) product for various scenarios.

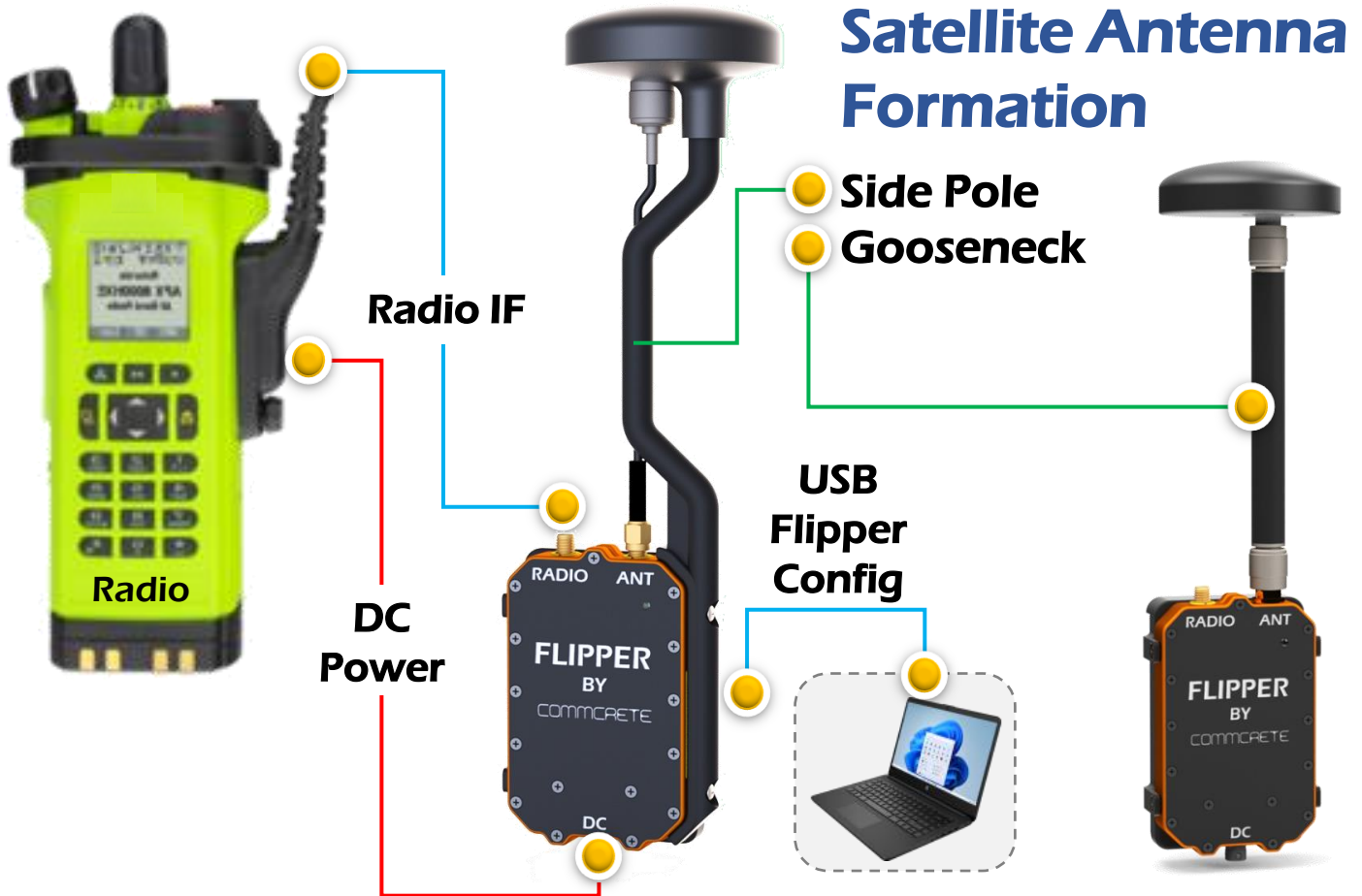
Flipper Supports

Radios: Kenwood, Motorola, Hytera, ICOM, L3Harris

Bandwidth: 50-950 MHz (Customer Defined)

Waveforms: NXDN / DMR / Tetra / P25

Basic Formation - Handheld Flipper



Basic Formation – Mobile Flipper

Flipper

Antenna



Radio IF

Flipper Technical Specification

Frequencies

Radio In: L-VHF, C-VHF, L-UHF, UHF
Sat Out: Inmarsat L-Band

Power

DC Power: 6 to 17V
RF In: 0.5-5W
RF Out: 4W Max

Environmental

IP 67 Rating

Physical (Handheld)

Flipper: 90X55X15 [mm]
Antenna: 45X45X25 [mm]

Connectors

RF Connectors: SMA / TNC
DC Connector: Fischer Push Pull

Approvals

CE, EL

The Perfect Tactical Satellite Solution For Any Purpose

