

COMMCRETE

Solid communication solutions

Flipper

Tactical Satellite Communication

Turning any Line Of Sight
radio to a tactical
satellite radio



info@commcrete.co.il

Flipper Introduction

The challenge

First responders & Military often work in harsh environment, relying on robust portable radios to provide all-informed C4I (Communication for Command, Control, Coordination & Intelligence) 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 disaster 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 (Military and Commercial VHF, Military and Commercial UHF, including the 900MHz band) to a tactical satellite radio.

Small, Rugged, Agile & Multi Band Flexibility make Flipper the right solution for rescuers and first responders.

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

COMMCRETE

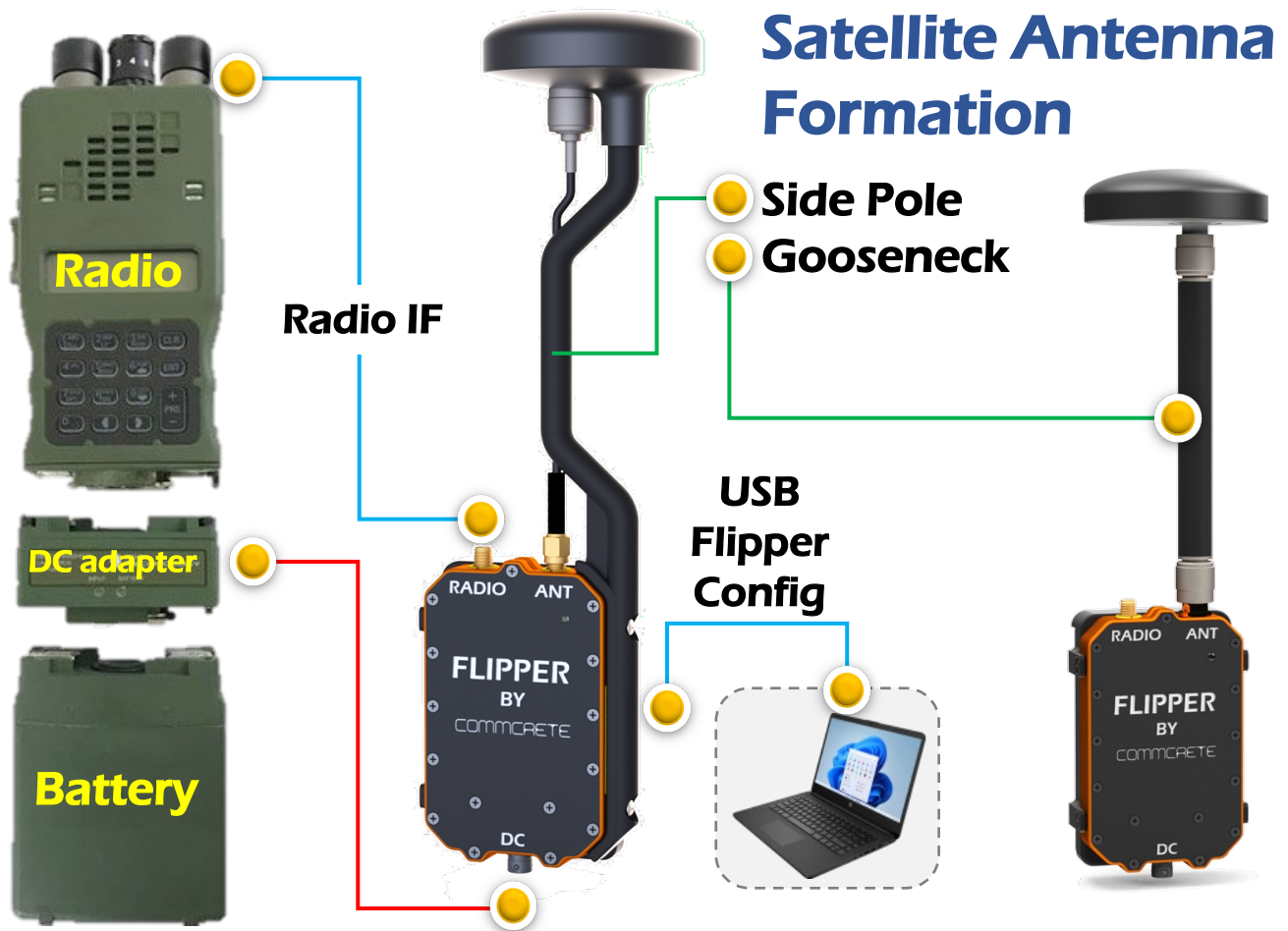
Flipper Supports

Radios: L3Harris, Thales (TDSI), Motorola, Hytera, ICOM

Bandwidth: 50-950 MHz (Customer Defined)

Waveforms: NXDN / DMR / Tetra / P25 / 12K & 16K Military

Basic Formation - Handheld Flipper



Basic Formation – Mobile Flipper

Mobile antenna

Vehicle / Maritime / Aeronautical



*Vehicle Model Antenna



*Vehicle Model Flipper

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

Environmental

IP 67 Rating

Physical

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

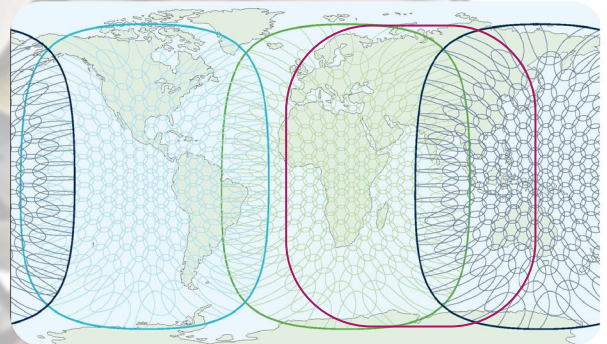
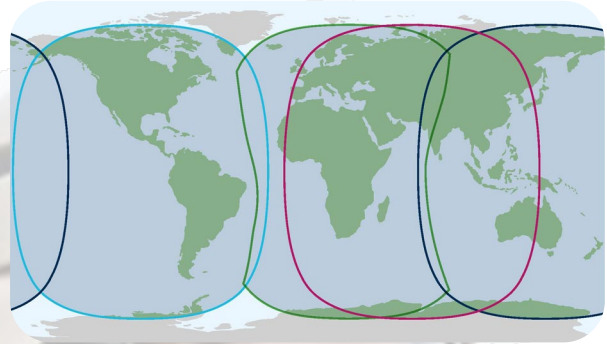
Connectors

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

Approvals

CE, EL, MIL-STD-810G

Inmarsat Satellite Coverage



The Perfect Tactical Satellite Solution For Any Purpose

