

# TacTalk + Situational Awareness Application

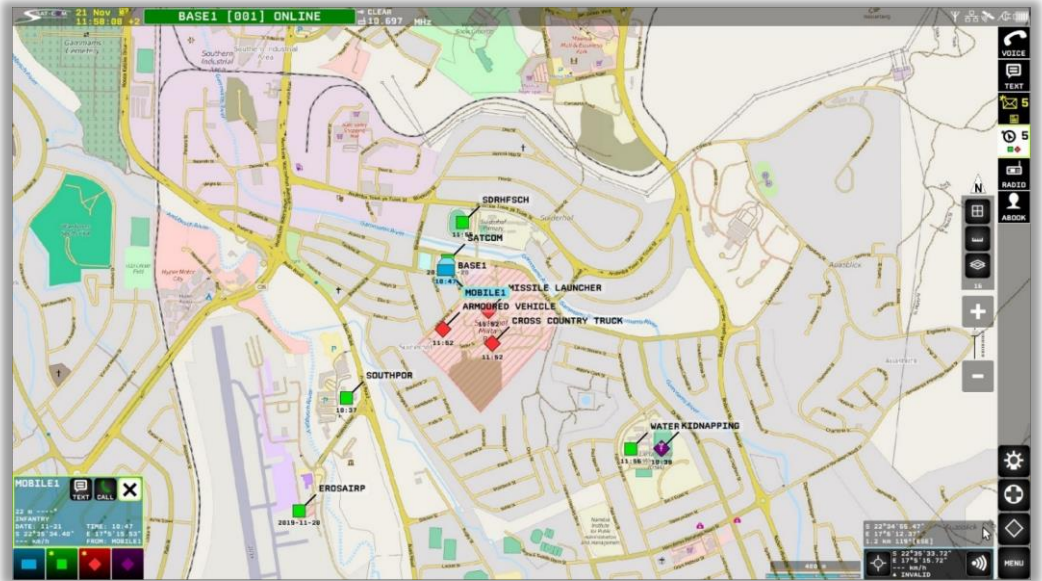


SKU: OPT-EF-TT+

*TacTalk+ Situational Awareness Application: Secure Voice, Chat, File Transfer, Predefined Forms, E-mail and Situational Awareness capability for tactical networks.*

TacTalk+ is a tactical VOICE, MESSAGING + SITUATIONAL AWARENESS software Application which provides the ability to make radio calls, send and receive messages and attached files, track BLUE FORCES, plot and distribute RED FOCES, as well as POI and MOOTW points efficiently and reliably over HF and V/UHF radio links in full secure modes.

*Suitable for Manpacks with rugged PC Tablets, Vehicular Stations using Rugged Laptops, and Base Stations using Desk top PC with large screens.*



*Command and Control of Missions made secure, quick and uncomplicated.*

## FEATURES & BENEFITS OF SITUATIONAL AWARENESS

- Situational Awareness, Blue Force Tracking, Command & Control
- Built-in Offline Base Maps: Vector and Image
- Touch-screen User Interface Design
- Tracklogs, Messaging, Zones, Alarms, Digital Voice Calls
- Interoperability with RT Devices: RT1, RT3, RT5 & RT7
- Message transfer progress indication
- Successful Delivery indication & Notification
- Broadcast on all scan list frequencies
- Interface seamlessly with TacTalk Operational Application
- Tracking of Radios without TacTalk and TacTalk+
- MS Windows® Software Package

## FRONTLINE MESSAGING & SITUATIONAL AWARENESS

TacTalk+ is a Microsoft® Windows® Situational Awareness (SA) Application which aids Commanders on all levels in operational theatre a visualization, communication and intelligent unit control.

The positions of Radio and Terminal devices and other symbols are overlaid on a comprehensive built-in offline base map and combined with easy-to-use chat messaging to individuals or all members of the group. The intuitive interface can be used for tracking, navigation and coordination.

TacTalk will ensure they get delivered accurately to selected Call Signs on the radio network.

Messages and Voice calls between TacTalk+ to TacTalk enabled as well as radios without either is seamless.

Tracking in TacTalk+ of any TacTalk enabled as well as radios or terminals without TacTalk is seamless.



SECURE AND TACTICAL COMMUNICATIONS  
www.sat.com.na

Tel: +264-61-374700  
Fax: +264-61-251615  
Email: sales@sat.com.na

2 Jakaranda Street  
Suiderhof  
Windhoek, Namibia



#### FRIENDLY SYMBOLS (BLUE FORCES)

TacTalk+ enables its operator to track friendly units. Track log trails are provided for all friendly units. The speed and bearing of friendly units are displayed on the map.

#### ENEMY SYMBOLS (RED FORCES)

TacTalk+ enables operators to plot Enemy Treats observed and distribute their locations for immediate action to a nearest tactical unit to either to attack or withdraw for a better tactical position. Tracking movement of Blue Force will keep commander in control of the mission.

#### NEUTRAL SYMBOLS (GREEN POI)

Neutral symbols, such as reference points, can be created and sent to all users in the network. Neutral symbols can also be received from RT Tactical Terminals in the operational theatre. **HOSTILE SYMBOLS (RED)** All Enemy Position reports from RT Tactical Terminals are displayed as hostile symbols on the map. These reports can also be created using RT TacTalk+.

#### COUNTER INSURGENCE SYMBOLS (PURPLE)

All Counter Insurgency (COIN) reports from RT Tactical Terminals are displayed as COIN symbols on the map. (MOOTW)

#### ATTACK AND EMERGENCY ALERTS

Tactical Terminals can transmit attack and emergency QuickCode alerts. These alerts are drawn as Friendly symbol modifiers on the RT TacTalk+ map. QuickCodes can be sent at an SNR as low as -6dB.

#### ZONES AND EVENTS

A rich set of geofencing zone creation tools are available to the operator. The operator is able to define forbidden and safe zones that generate alarm events upon the entry or exit of a friendly unit respectively. Proximity zones can be attached to symbols as well (creates a radius around the selected symbol that triggers upon an entry event). Pre-defined messages can be attached to zones, which are sent when a zone event occurs.

#### NAVIGATION

TacTalk+ displays the operator's own speed and bearing on the map in an intuitive manner. Any symbol on the map can be tracked. The distance and bearing to the tracked symbol are provided.

#### SECURITY

Access to the software is restricted by means of an Access Code. All sensitive data can be erased by selecting the Zeroize function.

#### MAPS

Each installation includes a comprehensive base map for the user's desired region (custom regions are available). Satellite images are provided up to a scale of 1:70,000. OpenStreetMap layers continue up to a scale of 1:2,000. OpenSeaMap Seamarks and GEBCO bathymetry data are overlaid on top of all layers. S-57 Electronic Navigation Charts (ENCs) are supported.

#### ROBUST & SECURE TACTICAL DATA

The Sat-Com Communications Stack forms the basis of both the RT Tactical Terminals and RT TacTalk+ software. It allows the seamless flow of secure digital voice and data through radios or devices fitted with the Sat-Com Modem technology.

#### VOICE RT

TacTalk+ provides voice call information and voice call control capabilities to the operator. A recent call list and missed call indications are also available to the operator. Sat-Com's advanced SDV technology offers vocoder rates as low as 300 bps (modem family dependent).

#### TOUCH SCREEN DESIGN

The RT TacTalk+ user interface has been designed to be used from a touch interface as is commonly found in Tablet PCs. The on-screen keypad and button sizes have been designed to be large enough so as to be easily usable.

TacTalk+ APPLICATION			
COMMAND & CONTROL	VOICE: POSITIONS: MESSAGING: VISUALIZATION: RADIO NETWORK:	Secure Digital and Analogue call creation, answer and status information Point creation & position push, Blue Force position push & pull Text Messages, SMS, QuickCodes, File Transfer, Template-based Forms Tracklogs, Zones - safe & danger, Proximity alarms Activity indication, RX & TX data type indication	
MAPPING	IHO Publication S-52 and S-57 ENC Maps support. Global satellite image base maps included up to scale 1:250,000. Region specific satellite image maps available with scale up to 1:70,000. Region specific vector maps available with scale up to 1:2,000. Maps partially sourced from ©OpenMapTiles, ©OpenSeaMaps & ©OpenStreetMap		
VOICE SUPPORT	Secure Digital and Analogue voice support. Point-to-point (Private Line) or Broadcast calls.		
OPERATING SYSTEMS	Windows 7, 8, 10 and 11 on 32 and 64-bit systems.		
MINIMUM SYSTEM REQUIREMENTS	256 GB HDD/SDD Storage - Depends upon the desired map region 8GB RAM Memory RS232 Serial + 10/100 Ethernet Port	Touch screen or Keyboard & Mouse 4:3 Aspect Ratio - Minimum 1024 x 768 pixel display 16:9 Aspect Ratio - Minimum 1280 x 720 pixel display	
MODEM / RADIO	Address Book, Chat client, Recent chats, Modem status, Network status, Email Inbox & Outbox status User define "Quick Messages", GPS position display		
MODEM / RADIO	Serial RS232 / Ethernet TCP/IP* for Data and Modem Control.		
DISPLAY	Optimised for 4:3 or 16:9 aspect ratio touch screen displays.		
LICENSE	Unlimited Once lifetime TacTalk+ License per each Modem	ORDER INFO:	SKU# OPT-EF-TT+

