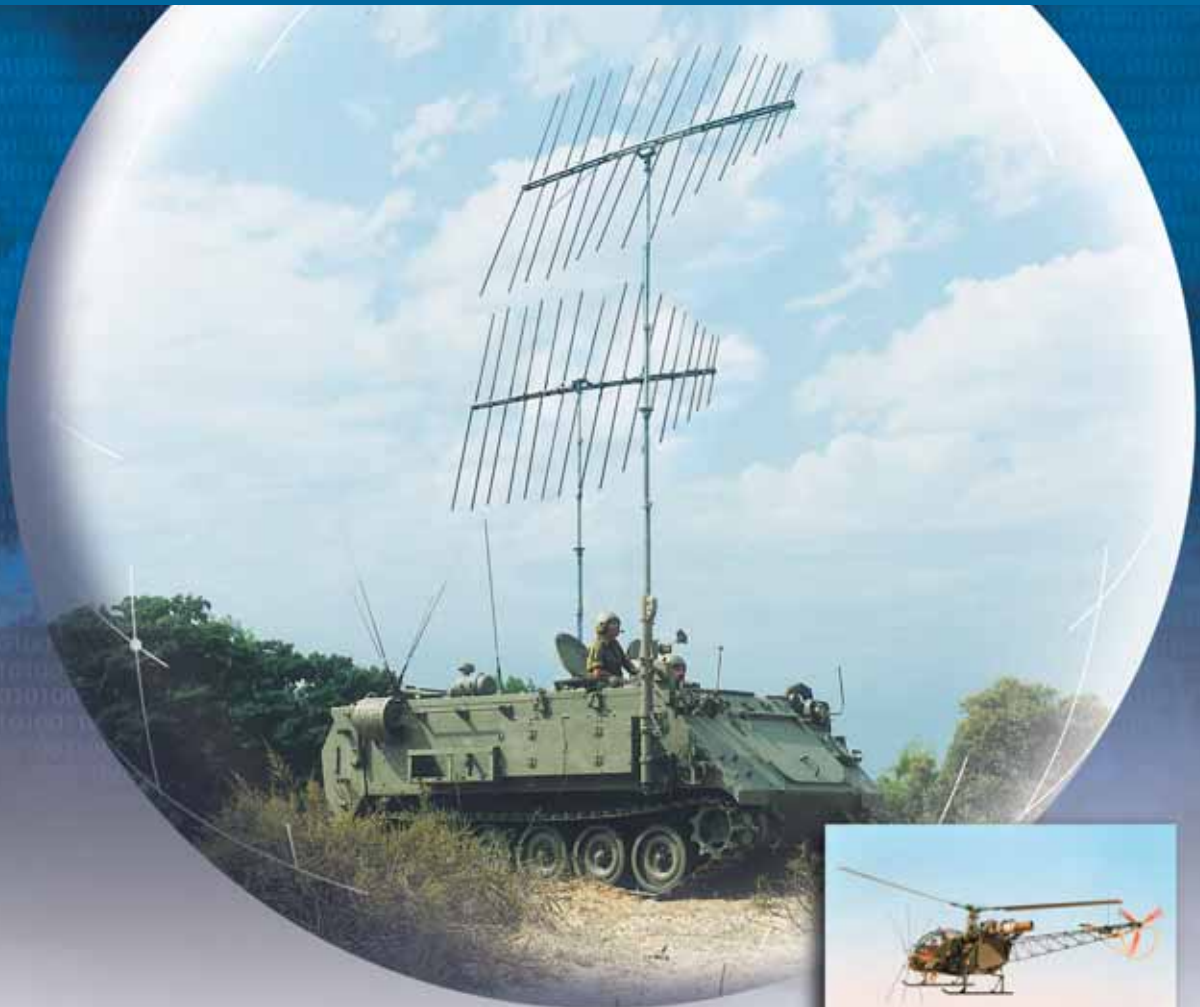


# Multi-Tasking Communications Jamming Systems Family ■ EL/K-7000MT



■ INTELLIGENCE, SURVEILLANCE, RECONNAISSANCE

## General

ELTA's EL/K-7000MT is a modular family of Communications Jamming (COMJAM) Systems coping with military, paramilitary and civilian communication networks operating in the HF/VHF/UHF frequency band.

The family includes a variety of optional, flexible configurations. Customers can tailor the COMJAM System to their requirements for frequency coverage, output power and number of communications networks to be effectively jammed.

The COMJAM Systems are designed to cope with dense communications spectrum activity and to produce highly effective electronic countermeasures by implementing Power Management and Multitasking Jamming techniques.

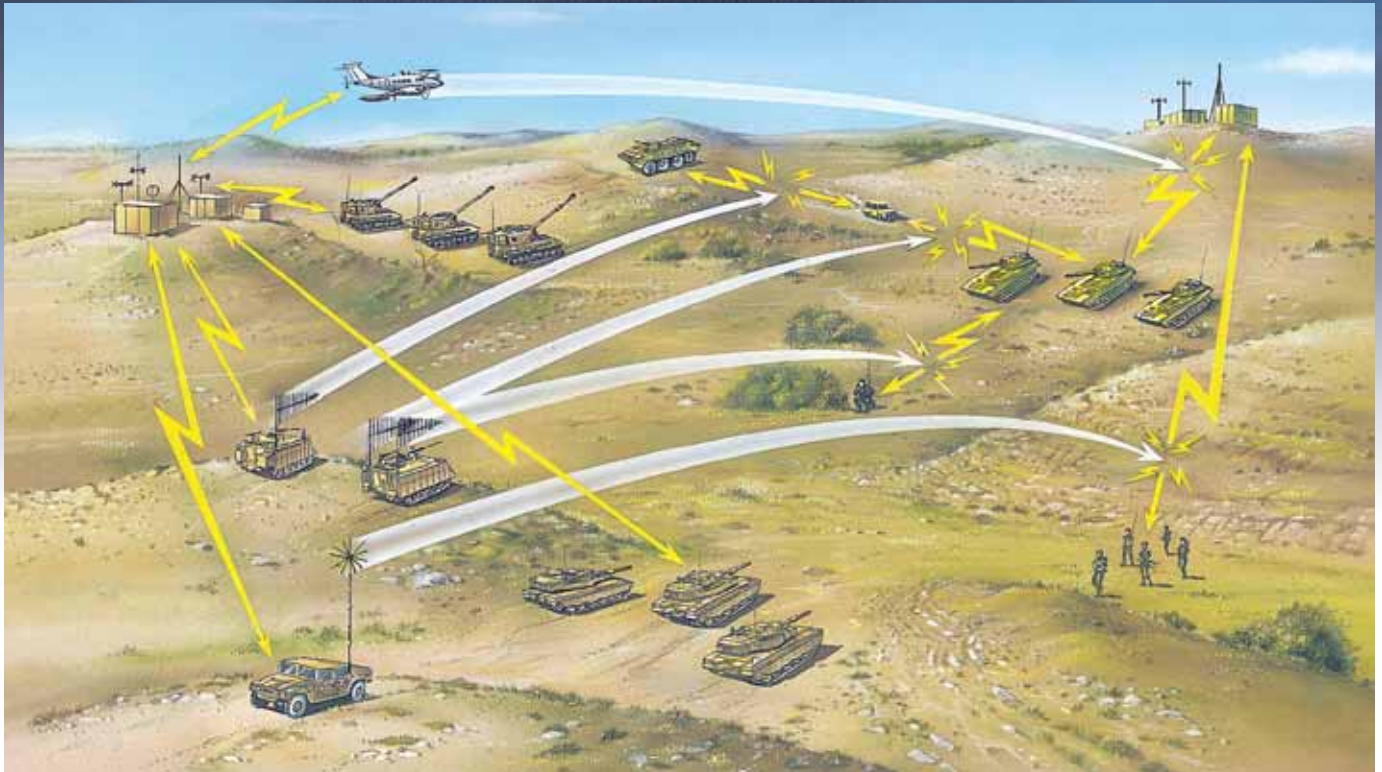
The COMJAM Systems can be applied in Ground (fixed, transportable/fast deployment and mobile), Airborne and Maritime installations.

## Features

- Capability of handling tactical communications as well as various types of modern communications
- Highly efficient field proven techniques enabling fast interception and jamming

- Capability for operating in conjunction with additional jammers as part of a jamming array network
- Dynamic Power Management according to real time targets activity
- Exceptionally clean transmissions with minimum interference to friendly networks
- Selective activity detection and jamming in sectors of interest
- Operating either in "Standalone" mode or in cooperation with COMINT Systems
- Protected frequencies - friendly or low priority targets
- Selectable modulations and bandwidths
- High reliability and low MTTR
- Flexible software and modular hardware
- Includes mission planning tools using digital maps
- BIT, online and offline

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## Main Specifications

- Frequency range: 1.5-3000 MHz model dependent
- Transmitter output power: 200w, 1000w (higher output power available)
- Frequency switching time: < 100  $\mu$ sec
- Signal Types: A3E, F3E, F1B, A1A, J3E, AFSK, FSK, BPSK, QPSK, GMSK, WBFM, TDMA, CDMA
- Simultaneous Jamming: Several nets by Multi-tasking technique
- Antenna Type: Omnidirectional for jamming on the move or Directional
- Scan Rate: > 3 GHz/sec



## System's Highlights

### Jamming Operation

The jamming is performed by covering (in time) a sufficient amount of the transmitted information so that the information in the jammed communications networks is illegible. Special software tools are provided to enhance jamming planning for achieving best results.

### Jamming Modes

Automatic Modes: Signal-initiated, sequential, barrage, chirp  
Manual Mode: Operator-initiated, deception

### Fast Signal Interception and Jamming

Signal search, acquisition and analysis, in receiving mode or for lookthrough in jamming mode, are performed by modern receivers and ultra-fast Programmable Signal Processors. Special receiving capabilities are provided for identifying regular and modern signals and for effectively jamming the hostile networks incorporating them.

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