

Κρυπτο500 + Κρυπτο1000 and WSA5000

ThinkRF WSA5000 and COMINT Consulting Krypto500 & Krypto1000 Powerful Wideband ELF - SHF Collection and Survey

Krypto500, Krypto1000 and the ThinkRF WSA5000 software-defined radio (SDR) receiver offer a powerful, transportable and remote deployable combination of ELF-SHF SIGINT tools.

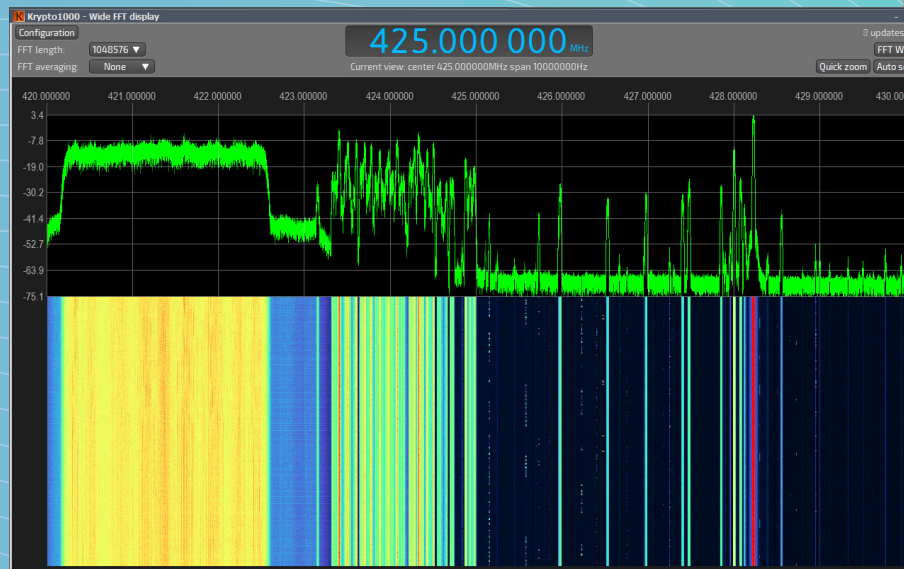
The transportability of the WSA5000 and low CPU and RAM footprint of Krypto500 offer myriad possibilities for employment – from tactical and special forces applications using alternative power sources to traditional SIGINT platform applications (ships, submarines, aircraft, UUV, USV and UAV) using rugged Tablet and Laptop PCs.

WSA5000 and Krypto500 / Krypto1000 are a veritable 'SIGINT site in a box' allowing for online, real-time collection and analysis, as well as offline, post-mission analysis.



The WSA5000 covers a large frequency range of 100 kHz to 27 GHz and is fully-supported in both Krypto500 and Krypto1000. This means the receiver's excellent sensitivity can be put to work in prosecuting virtually the entire communications portion of the RF spectrum. The WSA5000 provides real-time bandwidth up to 100 MHz, spurious free dynamic range up to 100 dBc, and GigE networkability all in a cost-effective, small form-factor.

Built-in SIGINT collection tools in the Krypto500 and Krypto1000 SIGINT software suites allow for manned or unmanned collection and manual or fully-automatic scanning, decoding and fingerprinting operations. The collection toolset can drive the WSA5000 to record based on schedule or via any of HUNDREDS of triggers using ANY combination of modem decoder or voice detector. The WSA5000 complements with wide bandwidths, a fast spectrum scan rate, and real-time caching of captured data.

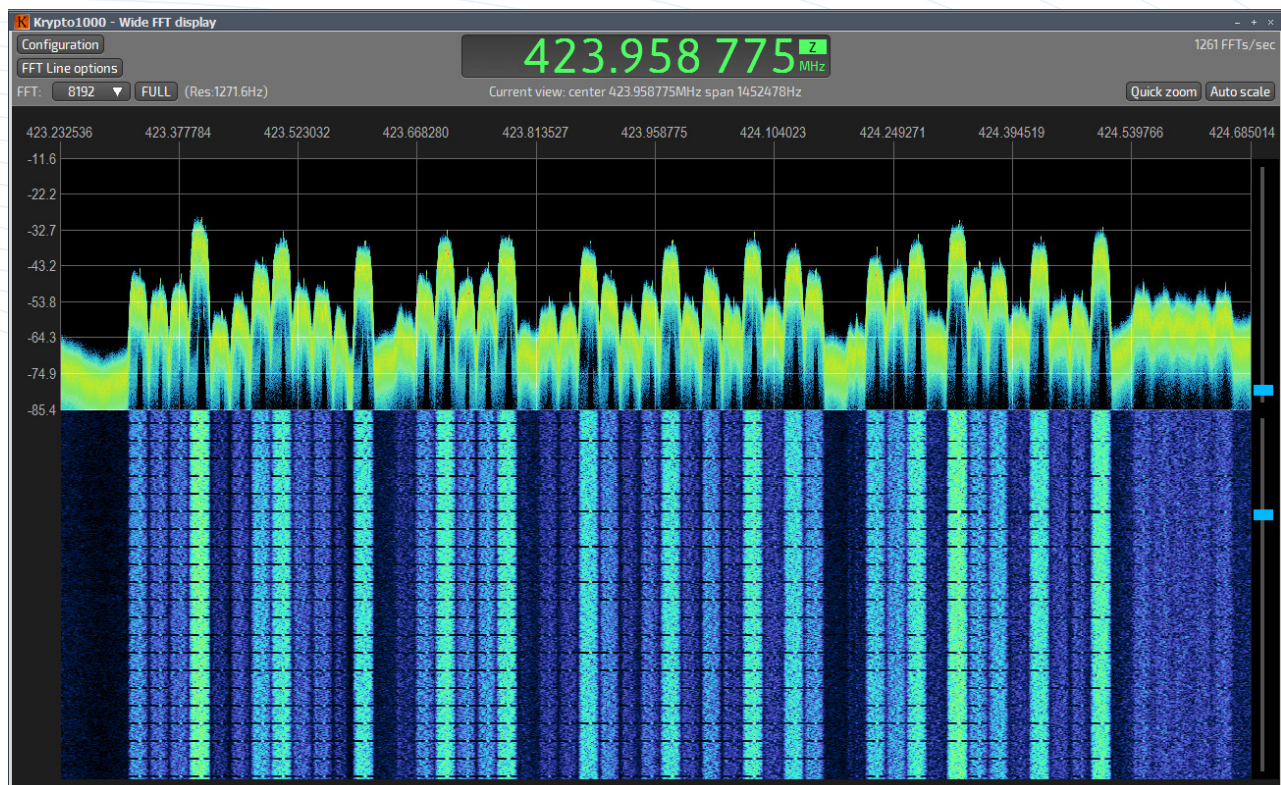


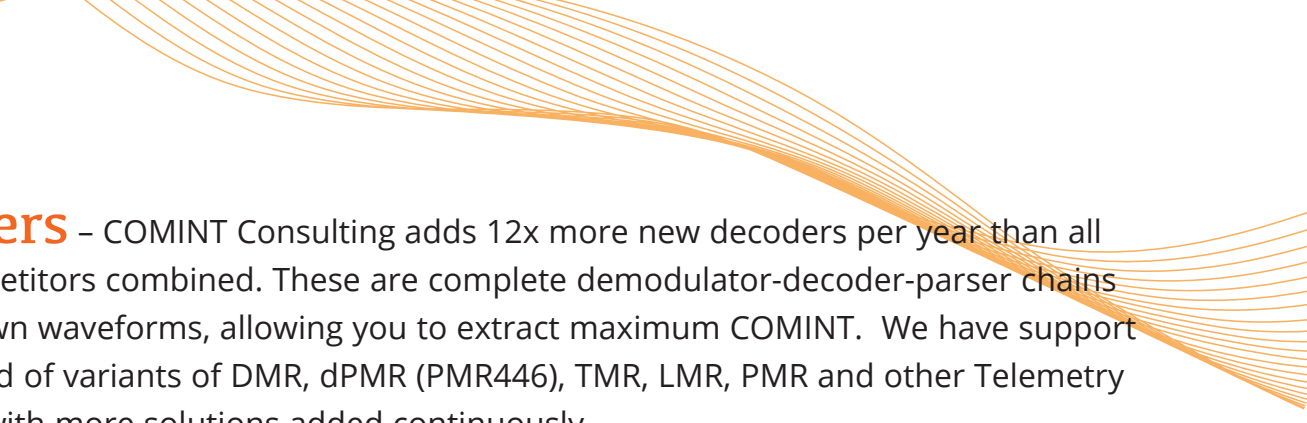
Highly-accurate Voice Activity detection for SSB voice is a standard tool as are modules that allow targeted scanning and manual or automatic collection of known or unknown frequencies of interest. This can be used for either live monitoring or completely-automated collection.

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Calling Systems – Understanding the topography of an HF network is critical and it all begins with understanding who called whom. Krypto500 has an unequalled selection of current, complete and relevant calling system decoders for Selective Calling (Selcal), 1st, 2nd and 3rd Generation ALE (Automatic Link Establishment), ALIS (Automatic Link Setup), ALM (Automatic Link Management), ACS (Automatic Communications System) and numerous other proprietary calling system solutions – some 80+ in total, some 70 more than our closest competitor!

Session Files – Built with the SIGINT / COMINT professional in mind, it is natural that we allow one-click saving and 2-click operation of complex missions. Simply save your workspace as a session files and all modules, settings and control settings can be re-opened and the mission immediately placed in operation by opening the appropriate session file.





Decoders – COMINT Consulting adds 12x more new decoders per year than all of its competitors combined. These are complete demodulator-decoder-parser chains for all known waveforms, allowing you to extract maximum COMINT. We have support for hundred of variants of DMR, dPMR (PMR446), TMR, LMR, PMR and other Telemetry modems, with more solutions added continuously

Many Channels / Large Networks – Krypto500 and Krypto1000 have extensive real-time, multiple threading capacities which can be greatly expanded through the use of multiple desktops and multiple instances, allowing many hundreds of channels to be exploited. See our white paper on multi-channel processing. To run up to at least 10 instances of Krypto500 with 32 modules (of any type – analysis, classification, decoding, fingerprinting, etc) at once you need only one license of Krypto500 and a PC that meets our minimum requirements. Yes, as many as 320 channels of decoding could be running on one PC with one license of Krypto500. With Krypto1000 there are no limits to the number of channels you can process nor the widths you can display in full HD quality.

Please contact COMINT Consulting Customer Service if you would like to receive HD videos of the above in action.

Kindly refer to www.thinkrf.com and www.comintconsulting.com for the latest technical information, data sheets and related application notes.

Krypto500 and Krypto1000 is controlled by the US International Traffic in Arms Regulations (ITAR) 22 CFR §120-130. It may not be exported or transferred to any other foreign person, foreign country or foreign entity without prior written approval from the U.S. Department of State and COMINT Consulting LLC.

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