

TASPS - TACTICAL ANTENNA SWITCHING AND POSITIONING SYSTEM



TASPS is a portable system that uses navigational data acquired from multiple sources to switch radio antennas for maintaining solid satellite communication. The system utilizes dual GPS receivers and an electronic compass to ensure reliable functionality. TASPS is small enough to fit into limited spaces and light enough to be carried by a single person. The rugged design enables it to handle harsh ocean environmental conditions.

SYSTEM FUNCTIONS

- * Acquire navigational data via GPS and electronic compass
- * GPS antenna switching to maximize the quality of satellite radio communications
- * Designed for two unit operation to double capacity

SYSTEM SOFTWARE

- * User interface for system controls and monitoring
- * Handheld pc programmed to interface with TASPS
- * TASPS application for collecting navigation data and directing communication antenna switching

SYSTEM HARDWARE

- * Rugged enclosure designed to withstand harsh ocean environmental conditions
- * Ruggedized Pentium based PC104 format
-4 serial ports, 5 ethernet ports, and 24 TTL lines
- * Magnetometer and tilt sensor
- * Palm PC for user interface and systems control and monitoring
- * RF switching
- * 2 GPS and 4 radio inputs
- * 8 Antenna outputs
- * Total size of 8 1/2" x 20 1/2" x 18"
- * Total weight of 22 lbs.

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