PORTABLE VEHICLE CONTROL SYSTEM
DATA SHEET & TECHNICAL SPECIFICATIONS

Features
▸ Simultaneous Multi-vehicle control
▸ Modular "Plug and Play" System
▸ Vehicle Independent Datalink
▸ Interface to range infrastructure for mission information sharing
▸ Ruggedized Portable System

Applications
▸ Vehicle Command and Control (C2)
▸ Mission Planning
▸ Simulation

The portable configuration of our Ground Control System (GCS) provides all of the capabilities of our fixed and transportable control systems. The GCS can control multiple full and/or sub-scale fixed and rotary wing targets and sea surface targets to a range of 200 nm line of site, or up to 330 nm with a minimum of 12dB of margin if using the optional relay system, using differentially corrected GPS position data.

Our unique modular systems approach allows the system to be tailored to the customer's specific needs by purchasing only as much capability as required. Additional consoles and modules can be easily added in the field. Vehicle command and telemetry configurations, telemetry displays, and range maps can all be configured to the customer's preferences.

The system operates independent of Data Link types and can accommodate multiple data links and/or multiple frequencies simultaneously. The RF module can be connected directly via Ethernet, or remotely to network through a router (e.g. T1, ISDN, microwave, etc.).

KRATOS®
UNMANNED SYSTEMS DIVISION

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Common Console Design
- Range Situation Displays (option) and System Control Consoles are physically and electrically identical
- Fewer spares required

Modular Systems Approach
- Distributed Multi-processor System
- Configurable using "Building Blocks – Purchase only as much capability as needed
- Highly Cost Effective
- High Capability Configurations Available

Field Upgradeable
- Additional consoles and modules can easily be added (up to 8 vehicles)
- Temporary expansion for special mission requirements

Range Independent
- No range specific functions for vehicle command and control
- Range interface available for collecting/monitoring mission data

Ruggedized, Environmentally Protected Consoles
- Ruggedized Laptops, keyboards, and command panels
- Designed to meet MIL-STD-810 and MIL-STD-461 qualification

Vehicle and Datalink Independent
- Configure with multiple datalinks simultaneously
  - High Capacity – for full scale vehicle
  - Reduced Capacity (reduced cost) – for subscale vehicles (MQM-107, BQM-167, Medium size UAV, UGV, USV)
  - Simultaneous Vehicle Operation – for multi-vehicle missions

Highly Integrated Consoles and Open System Architecture
- Fast and Easy Set-up (Typically less than 30 minutes)
- Minimal inter-module connections
- Choice of single or dual console Target Control Groups TCP/IP interface between consoles and modules
- Supports remote location of "Building Blocks" (location transparency)