

MicroDAGR advanced GPS receiver



MicroDAGR is the world's smallest, most trusted and lowest-power SAASM-based handheld GPS.

Military operations rely on the position, navigation and timing (PNT) data that GPS can provide. In combat, the accuracy of PNT data can mean the difference between life and death. Non-military GPS receivers simply aren't good enough when lives are on the line.

Missions such as "call for fire," contact reporting, targeting, border patrol and tactical surveillance depend on high-confidence PNT. While the mission need for trusted PNT remains, the GPS jamming and spoofing threat is also growing.

The mission impacts of bad GPS can be deadly. When navigating, a soldier's position can be 500 meters off in just five minutes.

Hazard areas and borders can be entered or breached unknowingly and mission objectives compromised. During targeting, soldiers risk not destroying the target, collateral damage and/or fratricide.

Rockwell Collins addresses these combat needs with MicroDAGR, the smallest, lowest-power SAASM-based handheld GPS in the world. Ideal for dismounted soldiers, MicroDAGR provides secure, portable, trusted military GPS in a small, lightweight, low-power handheld package unmatched by any other product on the market today.

MicroDAGR's functionality is specifically tailored to the warfighter. It is used by U.S. and allied militaries around the world today, with many of its features not available on consumer-grade commercial GPS handheld receivers.

KEY FEATURES

- › Trusted SAASM-based military GPS*
- › High integrity signal quality*
- › Anti-jamming and spoofing for GPS-degraded environments*
- › Moving map and mission map customization*
- › Targeting capability including compatibility with laser range finders*
- › User notification when position may be compromised*
- › Color touch-screen display easily usable with gloves*
- › Fast acquisition time
- › Small and low power
- › Able to host multiple languages

** Not available with consumer-grade commercial GPS handheld receivers.*

**Rockwell
Collins**

Building trust every day

BASELINE PRODUCT FEATURES

Small size	3.9" x 2.6" x 1.35"
Light weight	6.5 oz without 2 L91 AA batteries
Wearable	Lanyard, fits in pocket
SAASM	Military GPS performance
L1/L2 frequency P(Y) code	
Low power	2 AA batteries
Color display	2.7", QVGA (320 x 240), 16-bit color, direct sunlight readable
Memory card slot	Allows for removable microSD card for storage of maps, etc.
Compass	Internal 3D compass, gives correct heading when tilted
6 push buttons	Quick access to simple functions
Touch screen	Supports gloved hand operation
I/O connector	Supports USB, key-fill, external power, RS-232
Rugged environment	MIL-STD 810F, MIL-STD 461E
Waterproof	IPX7

OPTIONAL FEATURES

- › Molle pouch accessory – carriage for MicroDAGR and batteries
- › External USB cable – for external power usage and data transfer
- › Laser range finder interface and cable – interface with targeting system
- › Google Earth™ plug-in option – push Google® waypoints and routes to MicroDAGR

BASELINE SOFTWARE

- › Intuitive commercial like GUI
- › Moving maps
- › Graphical compass
- › Memory card support
- › 3D compass – accurate even when tilted
- › Waypoints – create, view, edit or delete
- › The list of MicroDAGR waypoints (999) can be sorted by name, number, type or identify friend, foe or neutral (IFFN) status

MAPS

Data type	Raster
Format	GeoTIFF – Tagged Image File Format (TIFF) with embedded geo referencing data
Projection	Equarectangular
Datum	WGS-84
Angular units	Angular degrees (degrees, minutes, seconds) and MILS
Tile size	Maximum 1536 x 1536 pixels
Google Earth plug-in	Push Google waypoints and routes to MicroDAGR



› Splash screen



› Moving maps



› Compass



› Present position



› Main menu

Building trust every day.

Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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