

MicroGuide



Providing the rugged, small, lightweight, wrist-wearable GPS receiver.

For surface mobility, Rockwell Collins' GPS-based equipment is unsurpassed. Our portable, versatile MicroGuide GPS receiver provides guidance capabilities for handheld applications. This commercial GPS receiver is a rugged, small and low weight handheld receiver, with an easy-to-use man-machine interface (Graphical User Interface (GUI) and moving maps) and a proven design that passes environmental testing.

Our 12-channel All-in-View Standard Positioning Service (SPS) C/A code module is incorporated into the MicroGuide. This

commercial GPS receiver is the 12-channel companion to the Rockwell Collins 12-channel MicroDAGR. Our receiver is interchangeable with the MicroDAGR receiver, having the same mechanical size, fit and interface.

Our receiver is intended for use in multiple federal, civilian, DoD and international platforms requiring SPS real-time GPS data. The small size and features of our commercial receiver make it attractive for handheld receiver applications where a ruggedized GPS capability is needed.

Our MicroGuide provides real-time position, navigation, moving map and timing information on a full-color touch screen display. The easy-to-use wrist wearable MicroGuide can also be worn on a lanyard or fits easily in a pocket.

KEY FEATURES

- ▶ Real-time position, navigation, moving map and timing information
- ▶ Rugged design includes color display and touch screen capability with graphic user interface (GUI) for intuitive ease of use
- ▶ Outstanding GPS performance and history
- ▶ Mature, proven GPS technology

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BASELINE PRODUCT FEATURES

Small size	3.9" x 2.6" x 1.35"
Light weight	6.5 oz with 2 L91 AA batteries
Wearable	Wrist mount, lanyard, fits in pocket
L1 frequency C/A 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 even when the unit is tilted
6 push buttons	Allows quick access to simple functions
Touch screen	Allows intuitive use of setup functions, supports gloved hand operation
I/O connector	Supports USB, external power, RS-232
Rugged environment	MIL-STD 810F, MIL-STD 461E
Waterproof	IPX7

BASELINE SOFTWARE

- › Intuitive GUI
- › Moving maps
- › Graphical compass
- › Memory card support
- › 3D compass
 - Accurate compass reading even when unit is not level
- › The planning application allows the user to create, view, edit or delete the waypoints stored
- › The list of MicroGuide waypoints can be sorted by name, number, type or identify friend, foe or neutral (IFFN) status



› Splash screen



› Moving maps



› Compass



› Present position



› Main menu

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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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