



Saab Falcon

Control Box

with User Interface

Falcon Flight Control: Automation Perfected

The Falcon Control Box brings Greensea's advanced autonomy to the Saab Falcon ROV. Pilots will be able to pass rote tasks off to the Falcon allowing them to focus on mission details. Click-and-go, drag-and-follow, & point-of-interest relative control are just a few of the supervised autonomous tasks that will make the pilot's job easier.

FEATURES

Diagnostics: Comprehensive diagnostics provide real-time health and status information.

Expansion Technology: Easily add sensors, even in the field, or add additional vehicles to allow one operator to monitor and control multiple assets.

Wide-area Workflow: Network multiple operators to coordinate operations or add remote supervision for operator support.

Communications: Wired/wireless Ethernet, radio, cellular, Iridium, and acoustic communications.

Sensor Support: Brand agnostic, native support for hundreds of sensors, devices, and protocols.

Data Management: Real-time data is time-stamped and georeferenced. Single data model organizes each source as a unique data channel for addition, subtraction, or substitution.

Data logging: Inclusive data logging utility logs raw sensor data, video, and sonar on the entire OPENSEA network. Post-processing tools for exporting data.



Workspace UI

Control Box



Playback: Play back logged data in the workspace. Visualize recorded missions and seek to marked events.

Geodata: Support for geodata layers in mission view workspace. View and manage satellite, chart, sonar, contact, and bathymetry data.

System maintenance: Backup and restore utility saves current system configuration and installed software revisions for easy configuration management. Software updater allows easy application and installation of new features, bug fixes, and new system configurations.

Task-specific configurations: Easily defined and selected screen configurations optimize display for critical tasks.

SPECIFICATIONS

Falcon Telemetry Input/Output

- Thruster Control
- Payload Control
- Sensor Data
- 1 NTSC/PAL Analog Video Input
- USB Hand Controller Input
- Ethernet
- Auxiliary IO
- 3x RS-232
- 2x RS-485

<p>AUTOPILOTS</p> <ul style="list-style-type: none"> Heading Pitch Roll 	<p>POSITIONING</p> <ul style="list-style-type: none"> X-Y Positioning Depth Altitude 	<p>MOTION</p> <ul style="list-style-type: none"> Cruise control Speed control Jog position
<p>TASKING</p> <ul style="list-style-type: none"> Waypoint and route navigation Point-of-Interest relative control Sonar target relative control 3-D Surveys 	<ul style="list-style-type: none"> Click-and-go Drag-to-move 	
<p>CONTROL OPTIONS</p> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>Screen Control</p> </div> <p>Hand Controls</p> </div>		