Janus Software 1.6.1 Release Notes

Contents

1.6.1.14

This software release is based on the v1.6.0.37 release and supports the v3.07.00.2139 Lodestar / SPRINT / SPRINT-Nav firmware.

This update includes:

- Support for v3.07.00.2139 firmware
- Improved data handling speeds
- Other Bug fixes and Improvements, see table below.

PPR Number	Summary
23424	Plot IMU / inertial Sensor Temperature
34280	DVL ASONDV timing improvements for ultra-low mode
34312	ASONDV TOV Calculations
34313	DVL TRIG time changed to time of acoustic transmit
34315	Real-time vs Raw heading plot improvements
34321	Time system PPS Plot fixed to show correct trigger edge
34325	Extraction tool fixed to correctly recognise SPRINT(-Nav) and SPRINT-Nav Mini logfiles
34326	Janus IMU Gap detection improved
34369	Improved file handling speed

Previous version history

1.6.0.37

PPR Number	Summary
34218	Change Aiding sensor tab to Sensors.
34236	Support Valeport SV, T+SV and P+T+SV message formats in m/s.
34239 & 34244	Add message extractor to Janus for SPRINT-Nav Mini data.
34243 & 34246	Support for SPRINT-Nav Mini and data.
34245 & 34247	Support for SPRINT-Nav Mini BIST and system configuration.
34248	Janus improvements when importing GPS data with duplicate time stamps.
34250	Support latest security dongle and drivers.
34285	Improved time system diagnostics plots.
34301	Support UTC time-tag in PSONLOBS message.

1.5.0.6

PPR Number	Summary
21327	Able to plot IMU data for INS logfiles that might be corrupted or has missing data from import.
28593	Ability to apply DVL/IMU State(s) functionality.
28617	Janus Derived DVL improvement
33418	XPOS with UTC time tag improvement
34200	DVL Beam data – cross correlation score plot fix
34206	User able to choose which navigation export to use for file export
34214	Data Formats file included in Janus installer
34232	SUSBL Latency plots included in SUSBL observation plots
34234	New error message appears on data import if logfiles do not contain IMU data

1.4.0.11

PPR Number	Summary
27116	Add support for lever arms and mounting angles flag that determines if aiding sensor offsets are vessel relative or IMU relative
28729	DVL observation SVS rejection bits reduced to align with real-time SVS rejection.
33321	Support USBL (Remote) data with unspecified beacon ID.
33343	MCR.log is now created in Janus program folder
24059	USBL (Remote) residual plot colour key refined
28729	DVL observation SVS rejection bits reduced to align with real-time SVS rejection.
33168	Changed configuration description names from "offline" to "edited" and added "computed".

Software/Hardware Compatibility

The following instrument firmware and software versions have been tested with this software version. As a minimum, these firmware versions must be installed in each component when used with this version:

Instrument / Software	Firmware / Software Version
SPRINT & SPRINT-Nav	3.07.00.2139
SPRINT-Nav Mini	1.1.273
SPRINT Software	1.5.3.480 (or later)
Fusion 2	2.05.01
Lodestar Data Extraction Tool	1.01.01.126
Messaging Extractor	1.02.00.127

Software Requirements

Windows 10 x64

Hardware Requirements

Sonardyne Marine Computer is highly recommended.

The following hardware requirements should be used as a guideline if the software is to be installed on a computer other than the Sonardyne supplied Marine Computer:

Minimum Spec:
i7 2.8GHz processor
8 to 16 GB RAM
17" Monitor
Graphics card 32-bit colour, minimum 1280 x 1024, Direct-X V10 or later
320 GB SSD or hard disk

Contact Information

For further support please contact:

24/7 Emergency Helpline

T. +44 (0) 1252 877600

Email Support

support@sonardyne.com

Website

www.sonardyne.com