
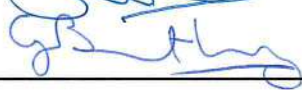


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<input type="checkbox"/> Mandatory <input checked="" type="checkbox"/> Strongly Recommended <input type="checkbox"/> Optional

Subject: Marksman / Ranger 2 V4.06.03 Software Release

As part of Sonardyne’s continuous programme of product development, we are pleased to announce the release of V4.06.03 of all variants of Marksman LUSBL and Ranger 2 Pro/Ranger 2/Mini-Ranger 2 USBL system software.

Main features of this update are:

- When using the Robotics Pack, the standard deviation of beacon positions is now correctly filled in.
- The background monitoring Usage Counters no longer count some similar event and alarms that contain changing values such as beacon addresses as unique messages, which reduces the resource loading of the counting mechanism, and prevents some automatic application restarts when resources become too low.

The following instrument firmware 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 of software.

Instrument	Firmware	Instrument	Firmware
Navigation Sensor Hub (NSH)	2.03.00.107	Ethernet Serial Hub (ESH)	Rel1_RevD_3
5G USBL Transceiver (8021/ 8023)	8.08.00.02	6G USBL Transceiver (8142,8212,8221)	4.01.00.01
Compatt 5	10.12c/3.08A	Compatt 6	3.12.05.05/2.06M
ROVNav5	8.07.02/2.04D	ROVNav 6	3.05.06.12/2.06M
		Lodestar	3.02.01.1019

Note: HPT’s with serial numbers prior to 280000-001 may have old bootloaders which will need upgrading prior to any software / firmware update. See Technical Bulletin TB15-001 for guidance.

If you are not the correct recipient for this information or you would like us to send this information to another person please respond to this email.

You will not automatically receive a copy of this software/firmware.

Should you require any further clarification please contact customer support on support@sonardyne.com or +44 1252 872288.