



# *Marksman & Ranger 2*

## *Release Notes 6.02.04*



## Contents

Contents.....	2
6.02.04 .....	3
Firmware.....	3
New Features.....	3
Summary.....	3
Bug Fixes .....	3
6.02.03 .....	4
Firmware.....	4
New Features.....	4
Summary.....	4
Bug Fixes .....	4
6.02.01 (micro Ranger 2 only).....	5
Firmware.....	5
New Features.....	5
Summary.....	5
Contact Information.....	6



## 6.02.04

### Firmware

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:

Instrument	Firmware Version
HPT	4.02.01.01
MRT	1.00.04.05
NSH	2.00.03.107
ESH	1.00.07.00
Lodestar	3.02.01.1019
C6/GyroC6	3.12.07.13
WSM6+	3.05.00.04
RN6	3.05.06.12
WMT	3.12.02.02
PGT6	3.05.09.07
SST6	1.00.04.01
Marker 6	1.00.04.03
DART	3.02.02.11
AVC	2.04.02.06
iWand	1.01.01.05

### New Features

#### Summary

Functional Area	Ref	Description

### Bug Fixes

For more details on any of the fixes below please contact Sonardyne customer support

Functional Area	Ref	Description
Tracking	MMR2-34325	Telemetry Tracking: Range observations using incorrect TAT
Tracking	MMR2-34234	Telemetry Tracking: Failed to recover after lost ranges.
Logging	MMR2-34318	Logger and DAT not housekeeping log files unless application run with admin rights.
User Experience	MMR2-34328	Text display fails to convert range to feet in US Units



## 6.02.03

### Firmware

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:

Instrument	Firmware Version
HPT	4.02.01.01
MRT	1.00.04.05
NSH	2.00.03.107
ESH	1.00.07.00
Lodestar	3.02.01.1019
C6/GyroC6	3.12.07.13
WSM6+	3.05.00.04
RN6	3.05.06.12
WMT	3.12.02.02
PGT6	3.05.09.07
SST6	1.00.04.01
Marker 6	1.00.04.03
DART	3.02.02.11
AVC	2.04.02.06
iWand	1.01.01.05

### New Features

#### Summary

Functional Area	Ref	Description

### Bug Fixes

For more details on any of the fixes below please contact Sonardyne customer support

Functional Area	Ref	Description
Tracking	MMR2-34304	HPT3000 AHRS offsets not being applied
CASIUS	MMR2-34303	Export button in CASIUS saving results incorrectly to mini Ranger 2 and GyroUSBL transceivers.



## 6.02.01 (micro Ranger 2 only)

### Firmware

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:

Instrument	Firmware Version
MRT DSP (CPU)	1.00.04.05
ESH	3.00.11.46 (REL1_REVD)
ESH2	1.00.07.00
WSM6+	3.05.00.04
WMT / AvTrak6	3.12.01.06
NANO	3.09.00.04
RT6	1.00.07.02
Marker 6	1.00.04.03
IWAND	1.00.03.13

### New Features

#### Summary

Functional Area	Ref	Description
System Configuration	RM2-31388	Support UDP ZDA input
Remote Control	RM2-33091	Provide remote control of CASIUS data collection.
Remote Control	RM2-33407	Allow CASIUS offset to be applied to the job
Remote Control	RM2-33092	Provide simple manual command over remote control link
Remote Control	RM2-33093	Provide Async subscription to SMS payloads received from beacons.
Remote Control	RM2-33095	Add control of sound speed source
Remote Control	RM2-33099	Allow ASYNC data to be published when Remote Control is not enabled
Remote Control	RM2-33456	CIS SMS publishing of all messages fails on single range no reply
Remote Control	RM2-33094	Provide remote control to set beacons properties
Remote Control	RM2-33096	Remote operator needs to be able to add a sound speed profile
Remote Control	RM2-33438	Add async data subscription to MDFT diagnostic data
Remote Monitor Client	RM2-33104	Add display of secondary vehicles to the "Positions" tab
Transceivers	RM2-33435	Support new MRT version with variable power levels.
Data Analysis Tool	RM2-32799	Add the ability to overlay LSQ and Kalman filter positions
Data Analysis Tool	RM2-32800	Add the ability to view ship frame east/north positions
Data Analysis Tool	RM2-33271	Add range period and user transaction time series displays.
Data Analysis Tool	RM2-33502	Add position quality plot, and a CSV export of data
Tracking	RM2-33701	Resolve discrepancy between raw and filtered tracking
Tracking	RM2-33282	Relax MRT direction protection limit
Tracking	RM2-33996	Add protection against impossibly slow sound speeds



## Contact Information

For further support please contact:

### **24/7 Emergency Helpline**

T. +44 (0) 1252 877600

### **Email Support**

[support@sonardyne.com](mailto:support@sonardyne.com)

### **Website**

[www.sonardyne.com](http://www.sonardyne.com)