

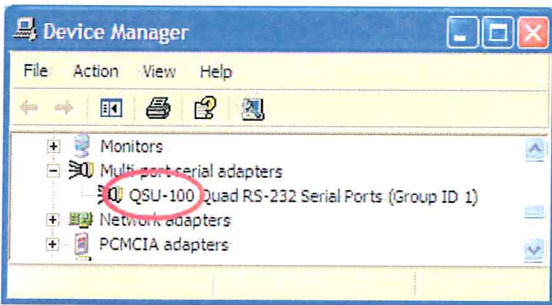
Bulletin No. TB-08-012
Issue/Revision: 1
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Approved By: T. Bennetts

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Signature/Date: *P. Ruddick*
Signature/Date: *T. Bennetts*

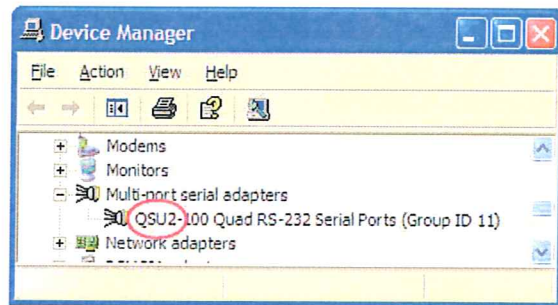
Subject: Recent changes made by our supplier to their 4 port serial hub contained within Sonardyne's Surface Interface Unit.

Changes have been made by our supplier to their 4 port serial hub contained within Sonardyne's Surface Interface Unit. As a result of these changes the latest model QSU2 now replaces the previous QSU. To ascertain which version you are using please see you device manager as shown below.

QSU-100



QSU2-100



These changes have resulted in some computers experiencing difficulties when interfacing to the internal motion sensor located inside Scout USBL transceivers.

Whilst comms reliably stream into serial terminal packages including Sonardyne's Radian Tool software some problems may be experienced when inputting sensor data into surface software. Please see below for a matrix detailing likely incompatibilities:

Serial Hub.	Motion Sensor (TI) Firmware Version	Software Package.			
		RadianTool (1.05.0.10)	Magfield Mapper	Scout/ Scout Plus	Scout Pro
QSU (old)	1.3.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	1.3.6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	2.2.6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (TSS2)	<input checked="" type="checkbox"/> (TSS2)
QSU2 (new)	1.3.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	1.3.6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	2.2.6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (TSS2)	<input checked="" type="checkbox"/> (TSS2)

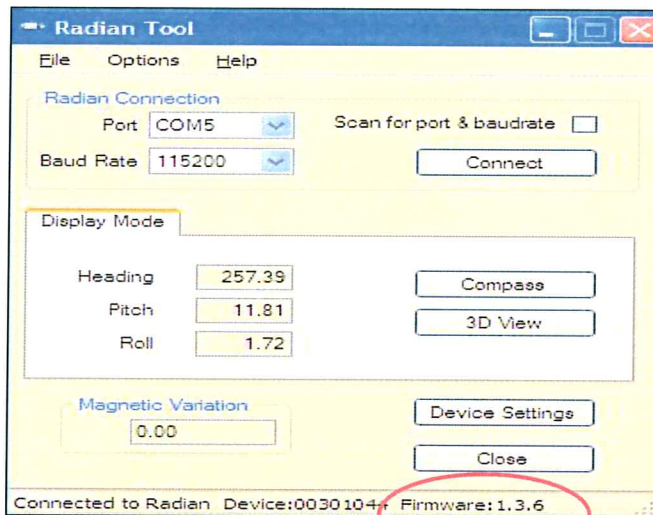
Bulletin No. TB-08-012

Issue Date: 30/10/08

Page 2 of 2

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To check which version of motion sensor firmware you are using please run Radian Tool shown below.



Comms problems can be overcome by inputting the internal motion sensor comms (marked AUX on the SIU) directly into a PC RS232 serial port or via an alternative USB to RS232 adapter. Another method is to utilise Radian Tool to reprogramme data from a binary out-put to ASCII such as TSS2; however, Magfield Mapper calibration will remain problematic.

The matter has been taken up with our supplier and will be resolved, however in the mean time all SIUs will be shipped with an additional USB to RS232 adapter.

Should you require any further clarification please contact customer support on support@sonardyne.com or +44 1252 877600.

END