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**Subject – Setting a SIU or SCU to match HF USBL Scout Transceiver auxiliary port serial interface protocol (RS232 or RS485).**

## Summary.

Customer driven requests to use long cabling with the Scout transceiver has resulted in a requirement for RS485 comms protocol instead of RS232. The result of this change is that the surface interface units require reconfiguring **when swapping between old and new transceivers**. 8024 Transceivers built from Jan 2008 onwards are marked with a label denoting the comms protocol. Transceivers older than this date will be RS232 comms.

## Hardware.

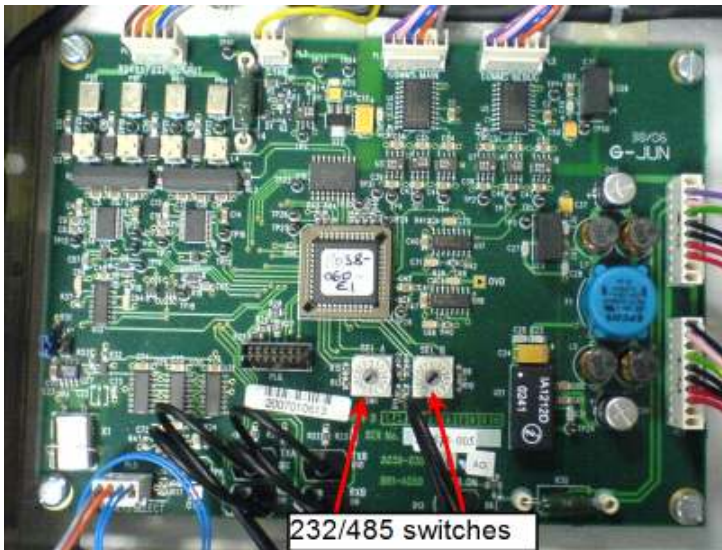
Scout Tcvr

Scout command Unit (SCU)

Surface interface Unit (SIU)



Main board inside SCU and SIU showing 2 rotary switches.



#### **Actions when changing transceivers.**

If using a transceiver sold before 2008 then it is likely to be installed with an internal motion sensor that is factory configured for RS232 protocol and therefore the switch settings, as shown above, should be both set to 3.

If using a more modern transceiver than Jan 2008 there will be a label denoting that the internal motion sensor comms are configured for RS485 and therefore the switches should be both set in position 2.

Should you require any further clarification please contact customer support on [support@sonardyne.com](mailto:support@sonardyne.com) or +44 1252 877600.

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