



TRIDENT DEEPBLUE TO ROV INTERFACE

Overview

Trident DeepBlue Receiver has been designed to operate through both Ethernet and/or RS232 communication streams when Integrated with the project ROV. The unit is supplied with TWO ports (see below pin-outs) and can be configured to meet the project requirements.

- **Acoustic Signals** - Ethernet connection is preferred to gain a full spectrum view of all detectable frequencies. When using RS232 the user can only detect one chosen frequency at any one time.
- **EM Signals** - Ethernet or RS232 can be used with no limitations.

As standard, the unit comes complete with a 1 x 5m Data Cable with an 8-pin open tail. From here there are TWO options:

1. ROV Contractor to wire & mould the ROV specific connector.
2. Propipe can arrange for the moulding to be done at additional cost. (Cost for this can be determined by letting us know the connector type and wiring details.)

Pin-out details for the units is provided below so you can begin discussions with the ROV team/contractor. It is better to start discussions early and have this sorted ready for project mobilisation.

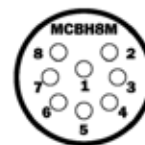
NOTE: the unit can be switched from Ethernet to RS232 (OR RS232 to Ethernet) in the supplied software during operations.

ETHERNET DATA CONNECTION - PIN OUT



MC18F CONNECTOR		
MC18F	COLOUR	CONNECTION
1	ORANGE / WHITE	TX+
2	ORANGE	TX-
3	GREEN / WHITE	RX+
4	BLUE	DC + (24V)
5	BLUE / WHITE	NO CONNECTION
6	GREEN	RX-
7	BROWN / WHITE	GND
8	BROWN	NO CONNECTION

RS232 DATA CONNECTION - PIN OUT



MC18F CONNECTOR		
MC18F	COLOUR	CONNECTION
1	ORANGE / WHITE	NO CONNECTION
2	ORANGE	NO CONNECTION
3	GREEN / WHITE	RS232 Tx OUT
4	BLUE	DC + (24V)
5	BLUE / WHITE	NO CONNECTION
6	GREEN	RS232 Rx IN
7	BROWN / WHITE	GND
8	BROWN	NO CONNECTION

