

APPENDIX A

Additional Information for optional ZDIGNMUP Opto-Isolated four port NMEA multiplexer

The following information is only applicable for Aqua Pro PCs that have been fitted with the optional Opto-Isolated four port NMEA multiplexer (Actisense NDC-04).

On the rear of Aqua Pro PCs, fitted with an NDC-04, will be a 10 wire multi-core cable that has four NMEA 0183 inputs and one NMEA 0183 Output. The colour coding is shown below:

Aqua Pro PC (NDC-04) Cable	
Colour	Signal
Red	NMEA IN1 +
Blu	NMEA IN1 -
Orange	NMEA IN2 +
Brown	NMEA IN2 -
Yellow	NMEA IN3 +
Green	NMEA IN3 -
White	NMEA IN4 +
Black	NMEA IN4 -
Purple	NMEA OUT+
Grey	NMEA OUT-

The NMEA Multiplexer is connected internally to the Aqua Pro PC motherboard and the latest drivers and been installed and tested. The default settings are for all four ports to accept 4800 baud NMEA 0183 data and to automatically multiplex this through to the Aqua Pro PC on COM Port 3 at 38,400 Baud. The same data will also appear on the NMEA OUT – purple and grey wires.

Also installed on the Aqua Pro PC is the NDC-04 Control Centre software which can be used to configure the ports and control the way NMEA data is handled by the multiplexer. This software is very powerful and allows the NDC-04 to be configured for many different types of installation. It is strongly recommended that you consult with the dealer that supplied the Aqua Pro PC before changing any settings.

A PDF manual for the Actisense NDC-04 is included on the Aqua Pro PC and more information can be found at:-

www.actisense.com