

REMUS 600 UUV Deployment a Consideration for SEA1000



The USS North Dakota deployed and retrieved a REMUS 600 Unmanned Underwater Vehicle (UUV) from its dry deck shelter during a six-week mission that came before the new submarine completed its post shakedown availability. Integration of a UUV capability into the submarine to be delivered by the SEA1000 program should certainly be a consideration of the submarine design.

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Mapping and Measuring with Multibeam

Many of our customers ask how Multi Beam Echo Sounder (MBES) backscatter can be used to characterise seabed types for habitat and baseline environmental studies. This case study shows how backscatter was used to study eelgrass beds. The data was used to determine presence/absence, percent cover, maximum depth limit, and canopy height.

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Underwater Laser Based Measurement

Interest and applications are growing for laser-based underwater measurements systems that can provide sub-millimetre accuracy. UVS partner, OceanTools, has completed a number of Offshore Oil & Gas tasks measuring cracks, gaps and corrosion on FPSOs and caissons. New applications may include mounting multiple systems onto a crawler.

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Extracting Renewable Energy from the Oceans

UVS is proud to be a supplier to both EET and BioPower Systems – two leading Ocean Renewables companies with operations based in Sydney. The future is challenging for ocean renewables, however, UVS looks forward to assisting customers in overcoming obstacles to a future where ocean renewables will be a part of the global energy mix.

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UVS Congratulates ATSA Defence Services on 15 Years Service to the Royal Australian Navy



ATSA Defence Services, the specialised service arm of UVS, celebrates fifteen years of service to the Royal Australian Navy this year. ATSA's workshops and dedicated test facilities provide a highly effective capability for maintenance repair and upgrade of Double Eagle Mine Disposal Vehicles and associated equipment including the Control Console, Automatic Tension Control Winch and Power Control Unit.

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The Dark Arts – International Shipment

International shipment seems to many to be a “dark art” that has resisted the improvements and efficiencies of the Internet age. The UVS Purchasing Manager, Andrew Roth, has over ten years experience in the shipment of high value electronic goods from global suppliers to customers all around Australia. Andrew has recently successfully renegotiated international shipment arrangements with the major carriers for UVS.



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Events

Pacific 2015

Meet us at Pacific 2015 www.pacific2015.com.au in Sydney 6 – 8 October 2015! UVS will exhibit on Stand 2J10 and we are looking forward to meeting with all of our customers in the defence space or anyone else who is in Sydney at his time.

ADCPs in Action in Australia 2015

If you missed the fun and information at AiAiA 2015 on the Gold Coast in May there is a wrap-up of the conference here www.uvs.com.au/AiAiA and presentations are available here www.uvs.com.au/Floater/aiaia-presentations.

See you in 2017!



Talking Teledyne

UVS is making plans to attend the [Teledyne Marine Technology Workshop](#) in October. Why not join UVS and delegates from around the world in beautiful San Diego and catch up on the breadth and depth of the Teledyne Marine product offering?

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Where Are They Now?

At UVS one of our values is to continuously improve our operational and technical knowledge. We figure that the more we know about our range of products and their applications then the better assistance we can provide to our customer base. UVS Newcastle General Manager, Jennylee Taylor, recently presented at the Australian Industry Group Innovation Cluster at the School of Industrial Design, University of Newcastle (UON) on the work experience provided at ATSA/UVS.



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New Products & Services

New Firmware Version Released for Sentinel V ADCPs

Teledyne RD Instruments has issued Field Service Bulletin 224 dated 20 July 2015.

A new firmware version has been released for Sentinel V ADCPs. Updates include:

- Improved stability and power efficiency;
- Addition of independent ensemble averaging times for the ping 1 and ping 2 scenarios;
- Migrated testing, planning, deployment, and data recovery software interface module Ready V to HTML5-based code.

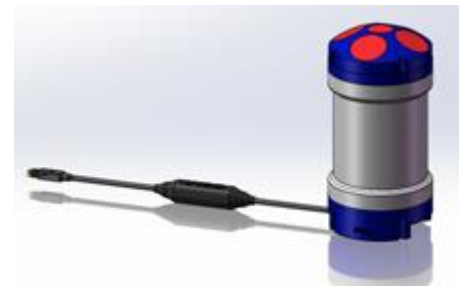
This firmware provides substantial improvements. RDI strongly recommends upgrade of systems prior to next deployment. This update has been in development and verification and validation testing for 10 months.

Please log into the Teledyne RDI web site support page to access this firmware.

AD01 Legacy Power Adaptor for Sentinel V

Adapting Workhorse ADCP installations for Sentinel V

The AD01 Legacy Power Adaptor for Teledyne RDI Sentinel V enables existing Workhorse ADCP installations to be upgraded to newer Sentinel V ADCP's without having to change cabling or external battery cases.



How It Works

The AD01 is connected in-line between the existing Workhorse ADCP cabling (low profile 7 pin connector) and the Sentinel V ADCP (circular 8 pin connector). The AD01 converts the higher voltage from the Workhorse system to a lower voltage suitable for the Sentinel V.

Features

- Plug and Play inline configuration
- Converts 48V down to 18.5V for Sentinel V
- Existing RS-232/485 are passed straight through

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