



# SWALE OCEANOGRAPHIC

## Teledyne Benthos

### Acoustic Releases

#### Wireless Recovery of Subsea Devices



**Teledyne Benthos** manufactures a wide range of Acoustic Releases for shallow, mid and deep water operations. Acoustic releases have been used for decades as a safe and reliable means of deploying and recovering critical subsea instrumentation. A secure acoustic command is sent from the topside unit to the subsea unit to release up to 25 tons of in-line instrumentation to the surface for recovery. All of Teledyne Benthos acoustic releases can be operated from a universal topside unit, which provides access to a wide spectrum of system capabilities and diagnostics to ensure ease of operation and successful instrumentation recovery. With over 50 years of experience in undersea applications, Teledyne Benthos acoustic releases have become synonymous with quality and dependability, even in the harshest environments.

## Universal Deck Box UTS-9400

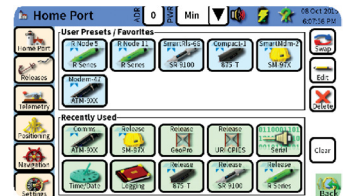
The UTS9400 Deck Box has been designed to work with all Benthos acoustic releases, transponders and modems, including the SMART products.



The new UTS-9400 is a complete single-unit replacement for all previously offered acoustic deck units. This new deck box is used to operate all standard acoustic releases and to control and communicate with Teledyne Benthos' full line of acoustic modems and positioning products. The UTS-9400 is the result of a focused engineering effort to devise the ideal top side unit for any level of user. The UTS delivers a user-friendly interface, with powerful, intuitive communication, command & control features to ensure you remain in control of your operations at all times.

#### Features:

- Full color, touch screen display and intuitive menus to simplify operation
- Ability to log all sent and received commands for post processing of mission operations
- Deck box emulation to command other vendor's products
- Low frequency (LF) dunking transducer and 25 meter cable (standard)
- Advanced ambient acoustic condition analysis to ensure commands are received in challenging environments
- RS-232 port for direct connection to a PC or laptop
- USB port for offloading logged data and updating firmware
- Speaker for listening to acoustic signals
- Up to 200 m cable available for high-reliability deep water acoustic communications



## ReleaseIt low cost deck box

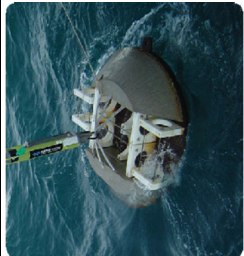





Teledyne Benthos new Releaseit Deck Unit and dunking transducer has been designed to serve shallow water users with high expectations and limited budgets. Encompassing proven engineering and reliability, Releaseit is a value priced alternative deck unit created to operate with the **R500**, providing users with a lower cost turn-key system for shallow water applications up to 500M water depth.



# SWALE TECHNOLOGIES Ltd

Unit 51G, Rm48 Whitehill & Bordon Enterprise Park, Budds Lane, Bordon, GU35 0FJ, UK  
Tel: +44 (0)1420 473334 Email: [Sales@swaletechnologies.com](mailto:Sales@swaletechnologies.com) [www.swaleocean.co.uk](http://www.swaleocean.co.uk)

# Specifications

		<p><b>Model R500 Shallow Water Transponding Release</b> is a low cost, versatile acoustic release designed for recovery of equipment in waters up to 500m deep, with a load lift rating of up to 455 kg. The R500 is compatible with the UTS-9400 or Release-it deck unit.</p>		<p><b>Model R2K Mid-Water Acoustic Transponding Release</b> is a full function acoustic release in a rugged and compact stainless steel housing for use in depths to 2000 meters and loads up to 2000 kg.</p>		<p><b>The R12K Deep Water Acoustic Transponding Release</b> is designed for full ocean depth mooring recovery applications requiring a rugged stainless steel package and 4540 kg load handling. The R12K offers the reliability of the 865 series with more advanced features.</p>		<p><b>Model HD Load Multiplier for Deep Releases</b> is a secondary arm to provide a 5:1 mechanical advantage when used on any Deep Release. This 22,600 kg rated device is used for deployment of anchors and underwater construction applications.</p>	
<p><b>Depth Rating</b>  <b>Release Load Rating</b>  <b>Lift Load Rating</b>  <b>Actuation</b>  <b>Slant Range</b>  <b>Range Accuracy</b>  <b>Release Confirmation</b>  <b>Tilt Indication</b>  <b>Battery Life (receiver)</b>  <b>Frequency Band</b>  <b>Source Level (nominal)</b>  <b>Weight — In air</b>              — In water  <b>Dimensions</b>  <b>Construction</b>  <b>Topside Compatibility</b>  <b>Accessories</b></p>		<p>500 m            180 kg            455 kg            High torque motor            Up to 2 km            0.3 m            Yes (acoustic)            0-180° in 1° increments            18 months alkaline            9-14 kHz (LF)            167 db ref mpa @ 1            5.9 kg            2.1 kg            48 cm length            11.4 cm dia. housing            PVC,            UTS-9400 / Releaseit / Testit            R500 Spare Battery (C270-535)            Drop Link (0220-008)            Spare-Magnet(B-855-152)            Anode Kit A270-378)</p>	<p>2000 m            2000 kg            2000 kg            High torque motor            Up to 12 km            0.3 m            Positive via digital signal            0-180° in 1° increments            4 years            9-14 kHz (LF)            185 dB ref 1 mPa @ 1m typical            18 kg            13 kg            66 cm length            15 cm dia. housing            stainless steel (ferrallium 255)            UTS-9400 / Releaseit / Testit            R2K Alkaline Battery (C-270-388)            866-SL Drop Link (A-855-124)            866-BA Bar Anode (A-855-139)            866-A Tandem Release            Mounting Kit (B-855-197)            866-ORING Kit (866-ORING-Kit)</p>	<p>12,000 m            22,600 kg            22,600 kg            High torque motor            Up to 12 km            0.3 m            Positive via digital signal            0-180° in 1° increments            4 years            9-14 kHz (LF)            185 dB ref 1 mPa @ 1m typical            36 kg            28 kg            93.7 cm length            16.4 cm dia. housing            stainless steel (17-4 PH)            UTS-9400 / Releaseit / Testit            R12K Alkaline Battery (C-270-388)            Drop Link (B-855-186)            R12K Bar Anode (A-855-82-1)            R12K ORING Kit (865-ORING-Kit)</p>					



Pop-up buoy manufactured by MSI (available with R500 acoustic release fitted)