

# BENTHOS releaseit

## Coastal Deck Unit

Teledyne Benthos Releaseit Deck Unit and dunking transducer has been designed to serve our coastal users with high expectations and limited budgets. Encompassing Teledyne Benthos' proven engineering and reliability, Releaseit is a value-priced alternative deck unit for basic coastal operations. When paired with our R500 Acoustic Release, the combined system represents a lower-cost turn-key option for shallow water applications up to 500M water depth.

### Product features

- Compatible with all R-Series Acoustic Releases when used in shallow environments
- Light weight and highly portable, weighing in at under 7 lbs.
- Sturdy, dust-tight and shallow water immersion resistant case
- Powered with a single internal rechargeable lithium ion battery with battery indicator light/ battery level monitor

Releaseit Deck Unit



## TECHNICAL SPECIFICATIONS

RELEASEIT DECK BOX	
Frequency Band	9–14 kHz (LF)
Domain key length	Up to 12 characters, mapping to 2 <sup>64</sup> unique combinations
Operator functions	Keypad
Displays /indicators	128 x 64 monochrome color backlit LCD Battery status LED
External connections	Power; Transducer; USB (mini B series)
AC input power	90-264 VAC, 47-63 Hz
Battery	Rechargeable smart lithium-ion battery pack; 10.8 V, 3.4 A-h typical
Battery life	Up to 40 hours active time typical
Charge Time	3 hours typical
Slant Range	Up to 2 km (1.2 miles) <sup>1</sup>
Overall dimensions	31.9 cm (12.5 in.) long by 25.7 cm (10.1 in.) wide by 15.3 cm (6.0 in.) high
Weight	3.1 kg (6.8 lb)

<sup>1</sup>For applications that need greater slant range consider one of the Benthos UTS systems.



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Coastal Deck Unit

	DUNKING TRANSDUCER INCLUDED WITH DECK UNIT
Cable length	10 m (32.8 ft)
Frequency band	9–14 kHz (LF)
Source level	172 (±3 dB) dB re 1µPa @ 1m, typical
Radiation pattern	Toroidal at ±40° @ 12 kHz typical
Housing construction	Urethane
Dimensions	11.4 cm (4.5 in.) dia by 10.7 cm (4.2 in.) long
Weight in air	1.9 kg (4.2 lb)
Weight in water	1.3 kg (2.8 lb)



Dunking Transducer

	R500 ACOUSTIC RELEASE
Frequency band	9–14 kHz (LF)
Rated depth	500 m (1640 ft)
Rated load	455 kg (1000 lb) static or dynamic 180 kg (396 lb) release
Release actuation	High torque motor
Tilt accuracy	±1° in minimal motion conditions
Tilt range	0–180 degrees at 1° increments
Operating life	Up to 18 months
Battery type	Alkaline (8 “C” cells)
Operator controls	Magnet for power on and arm
Transducer type	Built-in omnidirectional (LF)
Source level	167 dB re 1µPa @ 1 m
Range accuracy	0.3 m (1 ft)
Housing construction	PVC
Housing dimensions	11.4 cm (4.5 in.) W x 48 cm (18.9 in.) L x 16.5 cm (6.5 in.) H
Weight in air	5.9 kg (13.1 lb)
Weight in water	2.1 kg (4.6 lb)



R500 Acoustic Release



TELEDYNE MARINE  
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www.teledynemarine.com  
49 Edgerton Drive, North Falmouth, MA 02556 USA  
Tel +1 508 563 1000 • E-mail Benthos@Teledyne.com

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