

# UBSL 1500LC

## Tracking System



**LinkQuest Inc.**

### *Integrated USBL Tracking and High Speed Acoustic Communications Systems*

The Tracklink 1500 systems are USBL acoustic tracking systems with fully integrated high speed acoustic communication capability. Capitalising on its benchmark Broadband Acoustic Spread Spectrum (BASS) technology, LinkQuest provides the end user with solutions for underwater tracking and communication at sharply reduced cost and increased robustness.



1505BR	
Dimensions:	24cm X 6.4cm (d)
Weight in Water:	0.65kg
Weight out of Water:	1.45kg

#### MAIN FEATURES

- Sharply reduced cost to end users and improved system robustness.
- Utilises LinkQuest's benchmark Broadband Acoustic Spread Spectrum (BASS) Technology.
- Strong rejection to multipaths and ship noise.
- Integrated with LinkQuest's most advanced high speed acoustic communication modems.
- Advanced power-efficient DSP technology for transponders and USBL transceiver.
- PC Windows tracking software. Interface directly to the transceiver. No need for a heavy proprietary deck unit.
- Small and light weight transceiver for ease of installation on a ship.

#### SYSTEM SPECIFICATIONS

- Positioning Accuracy: 1500LC: 3 degrees (better than 5% of slant range)
- Slant Range Accuracy: 0.20 meter
- Targets Tracked: 16
- Operating Frequency: 31.0 to 43.2 kHz
- Operating Beamwidth: 120 to 150 degrees
- Transmit Mode Power Consumption: 10 Watts
- Receive Mode Power Consumption: 1.6 Watts
- Working Range With Ship Noise: up to 1000m
- Maximum Transponder Depth: up to 1500m
- Dimension: 12.6 cm (diameter) x 24 cm
- Operating Temperature: -5 to 45 degrees Celsius
- Storage Temperature: -25 to 75 degrees Celsius
- Weight Out Of Water: 3.5 kg
- Weight In Water: 1.2 kg
- RS-232 Configuration: 9600 baud, 1 start bit, 1 stop bit, no parity bit, and no flow control
- Optional High Speed Acoustic Modem Data Rate: up to 19,200 baud
- Acoustic Modem Operating Frequency: 26.0 to 45.0 kHz



