



# 1000 Series Seabed Beacon Technical Specification

Operational life, AAE Spread Spectrum	Dependent on pulse rate and operational mode. 1059: 1800 hours at 1.0pps 1055: 1200 hours at 1.0pps 1055H: 500 hours at 1.0pps Operational life reduced when used with non AAE USBL systems
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## Configuration

Transmit frequency range	24 – 33.5kHz
Receive frequency range	17 - 31kHz
Turn around time	15/30/60/100ms dependent on channel selection
Transmit pulse width	1.5/3.0/10ms dependent on channel selection

## External Inputs

Connector type	MCBH10M 10-way connector
Responder key	+ 5 to 25 Volts
External power	22 to 35 Vdc@120mA
Charge	1083 Multi-Charger, typical cycle charge time, 20 hours.

## USBL COMPATIBILITY

AAE 1000 Series beacons use Tone, Chirp, MFSK, DSSS and FHSS as transmission/reception protocols, allowing cross-compatibility with many USBL systems, including:

AAE Nexus	Sigma spread spectrum systems
AAE Easytrak	All models, tone systems
iXblue	GAPS USBL
Kongsberg	HPR/HiPAP
ORE/Edgetech	USBL
Sonardyne	USBL

## OPTIONS

- Compatibility with USBL systems not listed above
- Non-rechargeable batteries (alkaline)
- Depth sensors 100m/300m/1,000m/2,000m/4,000m (adds D suffix to model number)
- Digital depth transmission when used with AAE Nexus USBL systems
- Floatation collar



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Due to continual product improvement, specification information may be subject to change without notice.  
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