

# ACOUSTIC RELEASE

## SSX SERIES ACOUSTIC RELEASE TRANSPONDERS



- **Block Ended Release Transponders (BERT) offering simple and reliable screw-off release operation.**
- **Reliable FSK acoustic command sequence for security of command in high noise / reverberant environments.**
- **Over 2000 possible command channels (1000 as standard).**
- **Compatible with existing PAM units for range / release. (Simple software upgrade required).**
- **Part of a range of lightweight, medium duty and heavy duty models.**
- **Also Operate as standard navigation transponders – compatible with Simrad HiPAP / HPR400 / HPR300, HPR1507 (LF), Sonardyne USBL / ORE TPII (MF & LF).**

**55x Series Release Transponder – three transducer types are available.**

- Model 559: 188dB ± 90 degrees
- Model 556: 191dB ± 60 degrees
- Model 553: 197dB ± 30 degrees

**Specifications:**

Depth Rating:	2000m.
SWL:	250kg.
Release Load – 1000m	250kg.
Release Load – 2000m	150kg.
Length:	1270mm.
Tube Diameter:	125mm.
Weight in Air/Water:	25/10kg.
Battery Life - Listening	18 months.
- Transmitting	2,500,000 replies.
- Releases	70. (Screw off nylon block is retained with the anchor weight). <i>Spare blocks &amp; shackles are easily obtainable from AAE or Agents.</i>

Above battery life times are based on Alkaline batteries. Longer life options available. (Complete sets of alkaline battery packs are easily obtainable from AAE or Agents).

**Options:**

- Increased depth ratings
- Higher source levels
- Alternative beam patterns

Models are generally compatible with most USBL systems for range/bearing applications and have field adjustable internal frequency and release identities. Low frequency versions are also available. They have the following two-way communications:-

**Status Telemetry For:**

- Acknowledge Arm
- Acknowledge Release
- Acknowledge Sleep
- Battery
- Status OK
- Tilt OK
- Tilt X 15 degrees
- Tilt Y 15 degrees
- Motor Turned
- Releasing

**Commands For:**

- Arm
- Release
- Sleep
- Status Request (3)
- Release Reset
- Anti-Jam

Separate battery packs for Release Motor, Receive/Processor Electronics and Transmitters are utilised to ensure release on command should transmitter batteries become exhausted. In this way extended battery life can also be achieved. Other models also available, consult factory for further information.

**Compatibility:**

Channels/frequencies	HPR300:	14, transponder/responder.
	HPR400:	14+56, transponder/responder.
	HiPAP:	56, transponder/responder.
	Sonardyne USBL:	14, transponder/responder.
	ORE Trackpoint II:	8, transponder/responder. 5, pinger.
	Emergency Pinger:	37.5 kHz.
	Test Channels:	3.

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Due to continual product improvement these specifications may be subject to change without notice.