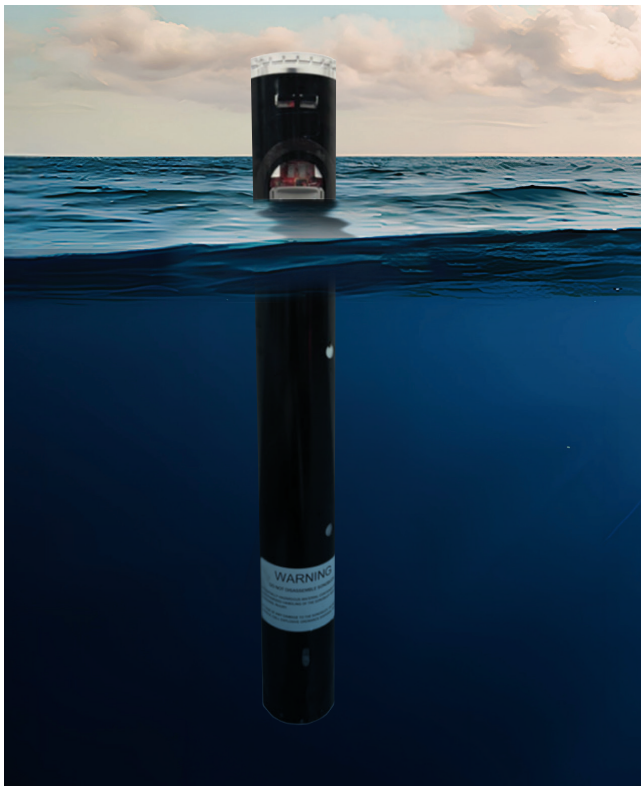
AN/SSQ-125
SONOBUOY

POWERFUL, WIDE AREA
SEARCH SENSOR



01

Active Source

The AN/SSQ-125 is a NATO A-size sonobuoy manufactured use as a source in a multi-static sonobuoy field.

The AN/SSQ-125 is capable of generating a variety of waveforms upon command and is designed to work with the AN/SSQ-53F/G/H, but for best performance the AN/SSQ-101 (ADAR) sonobuoy is suggested. Prior to deployment, the AN/SSQ-125's RF channel can be programmed to any of the standard sonobuoy operating channels.

At any time after deployment, the AN/SSQ-125 can be commanded to change its operating parameters or depth (deeper only), generate a ping, or scuttle.

02

Key Features

- 19.8-152.4 meters (65 to 500 ft)
- 96-channel RF Transmitter
- All Digital Design

Why Twenty-Six Defense Maritime

Twenty-Six Defense Maritime, a Twenty-Six Defense company, is a world leader in the design, development, testing and production of complex electromechanical systems and sensors, including Sparton sonobuoys. The company delivers a variety of sensing and advanced analytics capabilities that enable our nation to dominate the maritime domain.

03

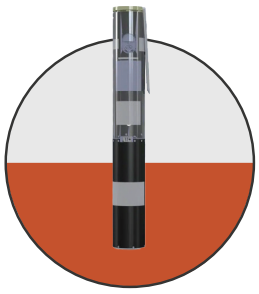
How it Works



The AN/SSQ-125 is air launchable from fixed or rotary-wing aircraft or surface vessel.



Descent of the sonobuoy is stabilized and slowed by a parachute.



Begins transmitting upon water entry.

TWENTY-SIX DEFENSE MARITIME
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04

Physical Characteristics

Weight	16.3 kg (36 lbs)
Sonobuoy Launch Container	LAU-126/A

Performance Data

RF Command Receiver	UHF – Single Channel
RF Transmitter Power Output	1 W minimum
Operating Life	8 hours
Duty Cycle	10% Maximum
Ping-Seconds	140
Operating Depth	19.8-152.4 meters (65-500 ft)
Launch Altitude	12 to 9144 meters (40 to 30000 ft)
Launch Speed	0 to 370 KIAS
Transducer Array	Piezoelectric Ceramic Omni directional
Shelf Life	5 years in sealed container