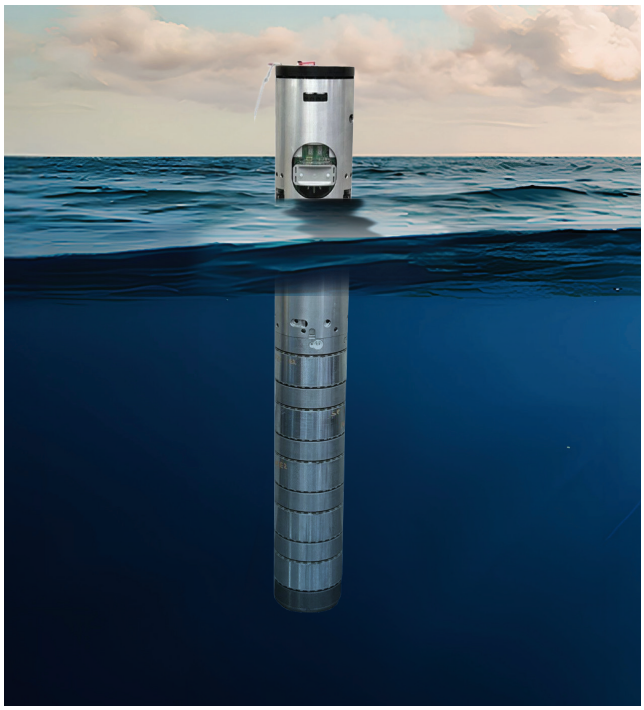
AN/SSQ-62E DICASS
SONOBUOY

PINPOINT ACCURACY
WHEN IT COUNTS



01

Active Directional

The AN/SSQ-62E is a fifth-generation, NATO A-size sonobuoy with all digital Directional Command Active Sonobuoy System (DICASS) used for detecting and localizing submarines.

The AN/SSQ-62E DICASS sonobuoy delivers precise range and bearing for accurate target fixing and, unlike earlier variants, supports all four acoustic frequencies through Electronic Function Select (EFS). Command Function Select (CFS) gives operators the ability to modify operating modes after deployment, providing responsive control in dynamic environments.

The AN/SSQ-62E is air-launchable from fixedor rotary-wing aircraft and can also be deployed from surface vessels. Its descent is parachute-stabilized, ensuring reliable placement and rapid readiness in the water.

02 Key Features

- 15-460 meters (50 to 1500 ft)
- 96-channel RF Transmitter
- All Digital Design
- CSG or CFS Commandable
- Depth, Life, Scuttle
- CFS Commandable
- RF channel, additional depths, sonic frequency
- Compatible with all known airborne acoustic processors
- Factory configurable to AN/SSQ-62 or 62B standards

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.

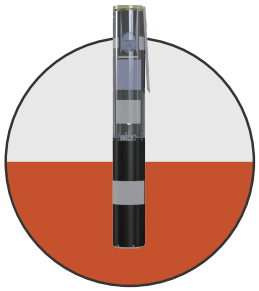
03 How it Works



The AN/SSQ-62E DICASS 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.



04

Physical Characteristics

Weight	17.46 kg (38.5 lbs)
Sonobuoy Launch Container	LAU-126/A

Performance Data

RF Command Receiver	UHF – Single Channel
RF Transmitter Power Output	1 W minimum
RF Transmitter Operating Frequency	97 Channel Selectable (136.000 to 173.500 MHz)
RF Transmitter Frequency Stability Multiplexed Composite consisting of Omni – Direct summation Directional Data (2 Channels) – Suppressed carrier quadrature modulated on subcarriers Sonar – Selectable acoustic channel (1 of 4)	± 25 kHz
Sonic Frequencies (any selectable from a single AN/SSQ-62E)	A: 6.5 kHz, B: 7.5 kHz, C: 8.5 kHz, D: 9.5 kHz
Operating Life	1 hour minimum
Operating Depth	15-460 meters (50-1500 ft)
Transducer Array	Piezoelectric Ceramic Omni directional Transmit/Directional Receive
Shelf Life	5 years in sealed container
Selections (Deep Depth and RF Channel)	Electronic Function Select
Selections (Depth, Acoustic Channel, RF Channel)	Command Function Select