

AN/SSQ-101 (ADAR)

- Directional Active Receiver
- Launched from ASW Platforms with ADAR Capability
- Commandable 3-Depth Operation
- EFS/CFS Channel Selection



The AN/SSQ-101 Air Deployable Active Receiver sonobuoy is the primary active receiver utilized in the Extended Echo Range (EER) system. The sonobuoy provides a planar array of 40 omni hydrophones on a 19.5 foot (6 meter) aperture utilizing five aluminum expanding arms.

This sonobuoy uses a 47 channel high-power digital transmitter and a receiver to provide Command Function Select (CFS) capability. CFS capability includes VHF Channel selection; VHF On/Off; Lower electronics On/Off; Acoustic Band Select; Processing Mode; AGC Setting; Diagnostics; and Scuttle.

It is shipped in a Sonobuoy Launch Container (SLC) that serves as the shipping, storage, and aircraft launch container.

The AN/SSQ-101 is air launchable from fixed or rotary-wing aircraft. Descent of the sonobuoy is stabilized and slowed by a parachute. It is also easily deployable from the deck of a surface vessel.

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