

Long range warning for  
mission success

# AN/ALR-56M Modernized processor upgrade

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**BAE SYSTEMS**

The upgraded AN/ALR-56M advanced Radar Warning Receiver (RWR) enhances aircrew survivability by continuously detecting and intercepting RF signals in various frequency ranges. This system was designed to improve situational awareness by analyzing and separating modern threat signals from non-threat signals in dense environments. The AN/ALR-56M RWR integrates with jamming, countermeasures, and aircraft avionics equipment. With the addition of the digital computer, the AN/ALR-56M can operate with the most advanced active electronically scanned array radars (AESA). This modernized solution can provide the vital and timely information about potential ground and air threats that warfighters need to effectively and efficiently carry out the mission.

### Features and benefits

- Enhanced situational awareness for long-range response strategy/threat avoidance.
- Easy interoperability with a wide range of aircraft and avionics.
- Demonstrated high operational mean time between failures and low mean time to repair.
- Two-level maintenance that lowers lifecycle costs.
- User programmability allowing system threat changes after delivery.
- Effective threat warning and primary sensor/control design for enhanced performance.
- Easy retrofit into numerous aircraft utilizing installed antennas and displays.

Bringing **combat proven**  
**enhanced** situational  
awareness to the **warfighter**

### Combat proven

- Rapidly detects and identifies all modern search, acquisition, and tracking radars of ground-based and aircraft weapon systems.
- Modern digital computer-controlled, wideband, agile, superheterodyne receiver architecture.
- Automatically adapts selectivity and sensitivity to the threat environment.
- Reliable detection and digital preprocessing eliminates non-threat RF signals.
- Adaptive high-speed digital signal processing.
- Adaptive real-time filtering provides protection against high-rate emitters and continuous-wave signals.
- Continuous built-in test and calibration with in-cockpit reporting.





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