

BAE SYSTEMS



AN/ALR-94

F-22 electronic warfare system

Enhancing mission capability with advanced digital electronic warfare

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AN/ALR-94 electronic warfare suite

The AN/ALR-94 system protects the F-22 with advanced technology to counter current and emerging threats. Equipped with offensive and defensive electronic warfare options for the pilot and aircraft, the suite provides fully integrated radar warning, targeting support, and self-protection, to detect and defeat surface and airborne threats.

How it works

The AN/ALR-94 system geolocates threats by detecting threat radars at significant ranges. With long range detection it allows the F-22 to limit its own radar emission, which could compromise the aircraft's location. The information collected by the system provides a pilot with maximum situational awareness, helping to identify, monitor, analyze, and rapidly respond to potential threats.

Experience

Built on a foundation of more than 60 years of experience, BAE Systems has emerged as the world leader in electronic warfare, flying systems on more than 80 platforms. Unsurpassed in the field across the electromagnetic spectrum, our state-of-the-art technology maximizes mission survivability for the warfighter, providing end-to-end capabilities to counter current and emerging threats. Innovating to meet the future needs of the warfighter, BAE Systems has produced more than 12,000 tactical electronic warfare systems.

Key features and benefits

- Integrates radar warning, targeting support, and countermeasures into one system for ease of use
- All-aspect, broadband radar warning and geolocation for enhanced situational awareness
- Multispectral, radio frequency (RF) and infrared (IR) countermeasures enable rapid response for complete aircrew protection
- Allows for mission success even in signal dense environments by increasing situational awareness for a 360-degree view of the battlespace

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