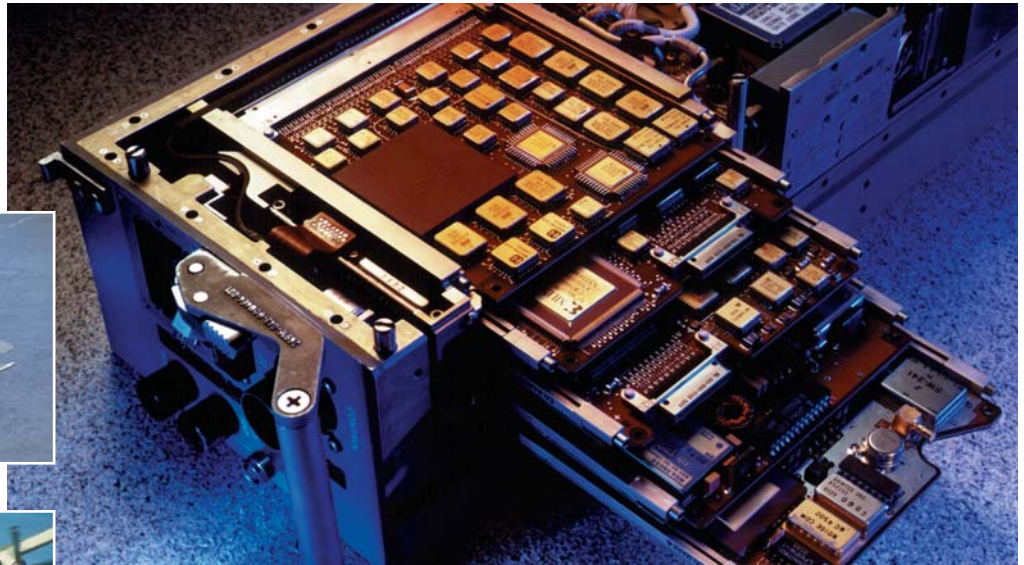


**NORTHROP GRUMMAN***Electronic Systems***AN/ALQ-162(V)****Affordable, Versatile, Battle Proven Jammer**

*Installed on a wider variety of platforms than any other radar jammer*



Northrop Grumman's AN/ALQ-162 Countermeasures Set provides lightweight and low-cost aircraft self-protection against sophisticated radar guided weapons systems. Installed on a wider variety of platforms than any other

airborne receiver/transmitter system, the AN/ALQ-162 can counter the full range of existing continuous wave (CW) and pulse Doppler (PD) terminal radar threats and defeat multiple threats in the same band simultaneously. The ALQ-162 is the only radio frequency (RF) jammer in current production that provides protection from both CW and PD threats for various helicopters.

The Northrop Grumman ALQ-162 automatically scans the threat environment, identifies and prioritizes emitters, and assigns and generates deceptive countermeasures, all under user-defined software control that is flight line programmable. Packaged in a single 40-pound box of less than one-half cubic foot volume, the ALQ-162 can be integrated with other electronic warfare (EW) equipment, such as radar warning receivers, pulse radar jammers, missile warning systems and EW management systems. All planned system upgrades are designed to be retrofitted into existing ALQ-162 systems, giving current customers the very latest EW technology at the most affordable price.

**Features and Benefits**

- Combat proven; currently in use by all U.S. Armed Forces and several allied nations
- Digital Radio Frequency Memory (DRFM) technology enables system to defeat PD while continuing to counter CW threats
- Microwave power module technology more than doubles the system's output power
- A true stand-alone ECM system — does not require separate radar warning receiver
- Compatible with any radar warning receiver, pulse jammer, or expendable countermeasure system
- Flexibility to accommodate unique and rapidly changing threat environments
- Planned growth options easily retrofittable
- Automatic built-in test (BIT) system containing continuous and initiated BITs performing complete systems monitoring for a 95 percent fault protection rate
- Can be installed internally, within a pylon, or in a pod
- Automatic, programmable frequency search and jamming
- Software-controlled discrete and MIL-STD-1553A/B interfaces

## AN/ALQ-162(V)

### Affordable, Versatile, Battle Proven Jammer

#### System Enhancements

Northrop Grumman is continually updating the technological capabilities of the AN/ALQ-162 Countermeasures Set. In recent years, DRFM technology was added that enables the system to jam even the most advanced PD radars. Similarly, the addition of microwave power technology to the ALQ-162 has more than doubled the system's effective radiated power.

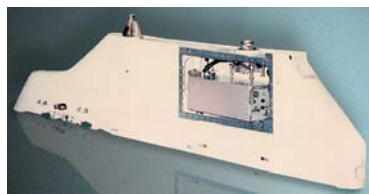
Growth options for the ALQ-162 include a next-generation integrated pylon/EW self-protection suite that accommodates a passive missile warning system and an integrated dispenser system in addition to the ALQ-162. Additional system enhancements under development include an increased threat handling capability to defeat multiple threats in different bands simultaneously, as well as an additional pulse capability. Other potential areas include RF technique generation for fiber-optic towed decoys and completely integrated RF systems with Directional Infrared Countermeasure (DIRCM) systems.

Due to its open architecture, all existing and planned enhancements to the ALQ-162 will be retrofitable into existing systems, allowing present customers to continually enhance and upgrade their existing inventory at a low cost.

#### System Characteristics

Size	16.5" (L) x 7.25" (W) x 6.35" (H) 42 cm (L) x 18.4 cm (W) x 16.1 cm (H)	
Weight		
Receiver/Transmitter	40.0 lb	18.0 kg
Antenna(s)	0.5 lb ea.	0.2 kg ea.
Remote Control Unit	1.0 lb	0.5 kg
Cooling	Forced Air/Cold Plate	
Heat Dissipated	480 W at Sea Level	
Reliability (MTBF)	>260 Hours	
Software	Fully Programmable*	
Input Power	650 W (115 V, 3Ø, 400 Hz)	

*\*Threat characteristics, priorities, techniques and system control parameters can be reprogrammed by the user.*



For more information, please contact:

Northrop Grumman Corporation  
 RF Electronic Warfare  
 Director of RF EW Business Development  
 600 Hicks Road  
 Rolling Meadows, IL 60008-1098  
 Phone: (847) 259-9600, ext. 4828  
 Fax: (847) 870-5713  
 e-mail: rf-ew@northropgrumman.com  
 website: www.northropgrumman.com

**The Only RF Jammer  
 to Have  
 U.S. Military  
 Tri-Service Application**



*Specifications and features subject to change without notice.*