

Quickdraw2® Handheld GPS Interrogator

Turns any aircraft into a CSAR aircraft



Portability allows for plug-and-play on over 50 aircraft;
no aircraft modifications required

Encrypted, direct, cockpit to survivor communications (TAC)

Displays survivor GPS coordinates in multiple formats

Quickdraw2 functionality embeddable in other systems

Direct, Cockpit-Survivor Communications

The handheld General Dynamics Quickdraw2® Interrogator quickly plugs into the intercom system of virtually any aircraft, both rotor and fixed-wing, transforming it into a Combat Search and Rescue (CSAR) platform. The Quickdraw2 Interrogator is more flexible and much more economical than existing radios/interrogators built into aircraft.

Terminal Area Communications (TAC) with No Aircraft Modifications

The Quickdraw2 Interrogator interrogates the HOOK2® AN/PRC-112G®, B1 or HOOK3™ Combat Survival Radio via the aircraft's onboard UHF line-of-sight radio via the aircraft's onboard UHF line-of-sight radio. Field-tested and operational on a variety of deployed aircraft, the Quickdraw2 Interrogator has also been flight certified by the U.S. Navy including the F-35. It has been effectively used on high-altitude reconnaissance aircraft to automatically relay the interrogation reply to another Quickdraw2 on the ground or onboard a manned aircraft. This same capability has been employed on a UAV as well.

UHF-Compatible — Compact Yet Powerful

The General Dynamics Quickdraw2 Interrogator is compatible with UHF radios for mobile or fixed applications.

The architecture includes:

- User interface consisting of a keypad and LCD display
- Alert features that notify the operator – via audio or a flashing LED – when a new message is received
- Modem with error correction and encryption
- Intercom interface with automatic level control
- Night vision goggle (NVG) compatible

Additional Compatible Systems

Embedded interrogators integrate the HOOK2 waveform into the Rockwell Collins RSC-125G1 Personnel Locator System and the Cubic AN/ARS-6 Version 12 PLS®2, providing Quickdraw functionality in a fixed-system airborne radio. This integrates Terminal Area Communications and Terminal Area Guidance into one platform.

Quickdraw2® Interrogator

Accurate

- Displays range/bearing to HOOK2 AN/PRC-112G, B or HOOK3 radios
- Includes error correcting communication and bit interleaving

Secure

- Provides data burst encryption (DES)

Rugged

- Isolated battery compartment
- Metal case for better EMI
- Rain resistant

Easy to use

- Provides handheld operation
- Easy to navigate menu structure
- Features a NVG-compatible backlit LCD display and keypad
- Custom aircraft communications cable incorporate Quickdraw2 communications without disabling voice communications
- Situation report feature present survivor status, threats, and landing zone info in one databurst
- Provides auto-interrogation and auto-forward

Flexible

- Integrated on over 50 different aircraft
- Interoperable with various aircraft intercoms and headsets
- Allows the user to employ normal PTT and audio communications
- Holds up to 25 mission-specific messages
- Supports canned and free-formatted text messages from HOOK2 and HOOK3 radios

Energy Efficient

- Powered by 4 AA batteries

Technical Specifications

- Power
 - Four commercially available AA batteries
- Size:
 - 42 cu. in. (688.26 cc)
- Weight:
 - 24 oz. (.68 kg) w/o batteries and cables
- Operational Temp:
 - -30°C to +55°C
- Storage Temp:
 - -40°C to +80°C
- Data Burst
 - 455ms
- Data Modulation
 - MSK 1200/2400BPS
- Data Encoding
 - Forward Error Correction
- Encryption
 - DES
- Audio Interface:
 - The audio interface meets the requirements of C-11746 (Model 449, "Communications System Control C-11746, Power and Signal Requirements" document) Compatible with various Tempest and non-Tempest headsets including the H-189/GR or H-250/U handsets

GSA Order: GS-35F-0060N
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*Quickdraw2®
Handheld GPS
Interrogator*

*Combat
Search &
Rescue Radio*

*Combat
Survival
Radio*



*Nominal
Integration*

1. RSC-125G is manufactured by Rockwell Collins— France.
2. AN/ARS-6 is manufactured by Cubic Defense Systems, San Diego, CA. PLS is a registered trademark of Cubic Defense Systems.

GENERAL DYNAMICS

Mission Systems

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