

Accessories for the HOOK2[®] GPS Combat Search and Rescue Radio System



Portable power and maintenance choices for
personnel recovery

The HOOK2 CSAR Radio System

The General Dynamics HOOK2 GPS CSAR System is a global, cost-effective solution for Combat Search and Rescue Communications for the military, paramilitary, law enforcement and government agencies.

Comprised of the software-defined, upgradeable AN/PRC-112G[®] transceiver, the Quickdraw2[®] Interrogator and the new SATCOM Base Station, the HOOK2 System supports all phases of a personnel recovery event. More than 20,000 radios have been fielded in over 26 countries, making the HOOK2 system proven and trusted with over 25 years in CSAR radio development.

Accessories for the HOOK2® GPS Combat Search and Rescue Radio System

GPS-112 Program Loader

The GPS-112 Program Loader consists of an interface box, a cable set and a Windows®-based software package. The Program Loader enables the user to easily and quickly load encryption key, datum, frequencies, waypoints and user I.D. codes into the AN/PRC-112G® and AN/PRC-112B1 transceivers and the Quickdraw2® Interrogators.

Replacement Parts

A collection of spare components for the HOOK2 System is available to help maintain the products and provide reliable service and repair in the field. Spare components include radio antennas for all radio models, accessory pouch with an earphone and spare antenna, mode control knobs, ON/OFF/Volume knobs, and protective radio covers.

HAC-100 AC Power Supply

The HAC-100 AC Power Supply is a power source for all models of AN/PRC-112 radios and various ancillary equipment. Accepting a wide range of AC input voltages and frequencies, the HAC-100 Power Supply produces an isolated, regulated 12 VDC output. Powering the radios from a wide range of AC sources, the HAC-100 eliminates the need for batteries during programming and maintenance. For SARSAT operation use the 1794AS0953 battery only.

HDC-200 Vehicular Power Supply

The HDC-200 Vehicular Power Supply is a power adapter made to plug into the cigarette lighter of a negative ground vehicle*. Accepting a DC input from 11 to 32 VDC, the HDC-200 produces a 12 VDC \pm 1V output and connects to the radio the same way that a battery would. If a cigarette lighter is not available, users can connect to a variety of DC power sources using a fused accessory cord with banana plugs and detachable alligator clips (included). The HDC-200 powers all models of AN/PRC-112 radios. For SARSAT operation use the 1794AS0953 battery only.

Non-rechargeable High Power Battery

Designed to power the SATCOM and SARSAT modes of the AN/PRC-112G transceiver, a high power battery (part# 1794AS0953) is also recommended for use on the AN/PRC-112B1 transceiver, making it the single solution for powering all the HOOK2 radios. For SARSAT operation use the 1794AS0953 battery only.

Rechargeable High Power Battery with 10 Bay Portable Charger

Powering all HOOK2 radios, the Rechargeable Li-Ion Battery (P/N: MAI-150745) reduces cost of ownership during mission training. The portable 10 bay charger is designed for field deployment or shop usage, providing power to the rechargeable high power battery. Without any user intervention, the portable charger charges up to ten batteries in 4 hours, while constantly monitoring voltage, current, and time during the charge cycle. Please call for more information. For SARSAT operation use the 1794AS0953 battery only.

*negative ground vehicle refers to any vehicle in which the negative terminal of the engine battery is connected to the vehicle chassis.



Maintenance & Technical Specifications

GPS-112 Program Loader

- Windows®-compatible software/hardware system
- Loads all GPS and operational parameters
- Loads Key, Datum, Frequencies, Waypoints and User I.D.s
- Loads legacy AN/PRC-112 as well as B, B1, and G radios and Quickdraw and Quickdraw2 Interrogators
- Configures aircraft table for interrogators
- Ability to load mission-specific rescue messages
- Cloning Wizard reduces loading time

Replacement Parts

- Radio antenna
- Accessory pouch w/ earphone and spare antenna
- Mode control knob
- On/Off knob
- Protective radio cover

HAC-100 AC Power Supply

- **Input Power**
 - AC input range: 90 to 254 VAC, 47-63 Hz
- **Output Power**
 - Output voltage: 12 VDC \pm 1 V
 - Output current: 2.5 amps
- **Dimensions**
 - Weight 1.5 pounds maximum
 - Power supply 5.20 x 2.29 x 1.18 inches
 - PRC connector 1.85 x 2.65 x 3.40 inches
- **Equipment List**
 - AC Power Supply 67-P46666J001
 - AC line cord 30-P49818JXXX*(int'l AC line cords available, call for details)
 - Manual 68-P49817J
- **Maximum Operating Conditions**
 - Temperature: 0°C to +40°C
 - Altitude: 15,000 ft.
 - Humidity: 95%, non-condensing

HDC-200 Vehicular Power Supply

- **Input Power**
 - DC input range: 11 VDC to 32 VDC
 - DC Input current maximum 3.6 amps maximum
- **Output Power**
 - Output voltage: 12 VDC \pm 1 V
 - Output current: 2.5 amps
- **Dimensions**
 - Weight 1.5 pounds maximum
 - Power supply 1.85 x 2.65 x 3.40 Inches
 - Cable extends to approximately 10 ft
- **Equipment List**
 - HDC-200 Vehicular Power Supply 01-P44398G001
 - DC accessory power cord 0-P47733F001
 - Manual 68-P44399G001
- **Maximum Operating Conditions**
 - Temperature: -40°C to +55°C
 - Altitude: 15,000 ft.
 - Humidity: 95%, non-condensing

Nonrechargeable High Power Battery

- **Cell chemistry**
 - Lithium Manganese Dioxide
- **Nominal voltage**
 - 12.0 Volts
- **Capacity**
 - 4.2 Ah
- **Nominal dimensions**
 - 74.2 x 57.2 x 39.1 mm
- **Weight**
 - 272 grams
- **Connector**
 - 2 contacts, gold plated
- **Case material**
 - ABS plastic, black
- **Operating temperature**
 - -40°C to +60°C
- **Storage temperature**
 - -55°C to +71°C
- Rechargeable high power battery with charger (Call for details)



GENERAL DYNAMICS
Mission Systems

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