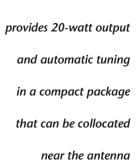


## **assured**communications™

## RF-5800H-V006 20 WATT HF/VHF VEHICULAR ADAPTER



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The RF-5800H-V006 is a 20-watt vehicular adapter that provides the ability to locate the antenna coupler at the antenna in vehicular and shipboard applications. The system allows a standard RF-5800H-MP or AN/PRC-150(C) HF/VHF manpack radio to directly connect to an RF-5382H Antenna Coupler without an external power amplifier. The RF-5800H-V006 is designed for applications that require low power, short-range Beyond-Line-Of-Site (BLOS) communications.

The adapter consists of a shock mount with an attached distribution unit. The distribution unit provides conditioning of external power so that the system can be directly connected to vehicular power. The unit also handles routing of antenna coupler control signals so that the standard RF-5382H control cable can be used. Additionally, it provides switched auxiliary power for external equipment, such as the RF-5980-SA001 tactical speaker. The adapter is designed so that the transceiver can be quickly removed and converted into a manpack configuration.

The system is designed for the tactical environment and meets the same stringent environmental requirements of the Falcon® II radios and antenna couplers.



## Specifications for the RF-5800H-V006

General

Frequency Range 1.6 to 60 MHz

Modes of Operation All RF-5800H-MP and AN/PRC-150(C) modes
Power Input 22 to 33 VDC @ 7A max (vehicular power)

**Environmental** 

Test Method
Shock and Vibration
Immersion
Operating Temperature

Per MIL-STD-810F
Ground tactical
3 ft. (0.9 m) of water
-40° C to +70° C

Interfaces

Antenna Coupler RF-5382H-CU001 Control Cable

**ASCII Remote** RS-232 9 pin "D"

**Power Input** +24 VDC to Vehicular Power

**Auxiliary Power** +24 VDC to Speaker or other device

**Radio Interface** To J6 Accessory port of RF-5800H or AN/PRC-150(C)

Installation

**Remote Capability** Up to 100 ft (30 m) separation between transceiver and coupler

**Size** 9.25 W x 14.65 L x 6.74 H inches (not including cables)

23.5 W x 37.2 L x 17.1 H cm (not including cables)

**Color** Black

Accessories supplied Shock mount mounting hardware, installation manual, power cable with

pigtails, cable to J6 of transceiver

**Required items** RF-5800H-MP or AN/PRC-150(C) Transceiver

(order separately) RF-5382H-CU001 Antenna Coupler

RF-5384VM-01 Shock Mount for RF-5382H 12020-1460 RF-5382H Control Cable from radio to RF-5382H Antenna Coupler

10369-7211 RF Coax from radio to RF-5382H Antenna Coupler

Accessories

RF-5980-SA001 Tactical Speaker
10535-0713 Speaker Power Cable
10535-0707 Speaker Audio Cable

**RF-5061-PS001** 12V to 24V DC to DC Converter for 12 VDC vehicles

**10181-9833** RF-5061 to RF-5800H-V006 Power Cable

**10372-0874-01** Security Locking Kit



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