

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

*provides 20-watt output  
and automatic tuning  
in a compact package  
that can be collocated  
near the antenna*

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	Per MIL-STD-810F
Shock and Vibration	Ground tactical
Immersion	3 ft. (0.9 m) of water
Operating Temperature	-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 (order separately)	RF-5800H-MP or AN/PRC-150(C) Transceiver 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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