

# RF-5800H-V006

## 20-Watt HF/VHF Vehicular Adapter

GENERAL	
Frequency Range	1.6 - 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)
PHYSICAL	
Dimensions	6.74 H x 9.25 W x 14.65 D in (17.1 H x 23.5 W x 37.2 D cm) not including cables
Color	Black
ENVIRONMENTAL	
Test Method	Per MIL-STD-810F
Shock and Vibration	Ground tactical
Immersion	3 ft (0.9 m) of water
Operating Temperature	-40°F to +158°F (-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
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	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	12 V to 24 V DC to DC Converter for 12 VDC vehicles
10181-9833	RF-5061 to RF-5800H-V006 Power Cable
10372-0874-01	Security Locking Kit



The RF-5800H-V006 is a 20-watt vehicular adapter that supports location of a RF-5382H Antenna Coupler at the antenna, allowing direct connection of a Falcon II® RF-5800H-MP or AN/PRC-150(C) HF/VHF without an external power amplifier. This compact solution is ideal for vehicular and shipboard operations requiring low-power, short-range (up to 200 km) Beyond-Line-Of-Site communications. The RF-5800H-V006 includes a shock mount with an attached distribution unit which conditions external power so the system can be directly connected to vehicular power. This ruggedized unit provides switched auxiliary power for external equipment and is designed to allow a transceiver to be quickly removed and converted into a manpack configuration.

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