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RF-7800UL-V150

50-Watt Wideband Vehicular Amplifier Adapter (VAA)

GENERAL	
Frequency Range	30 MHz-2 GHz
Output Power	VHF (30-225 MHz): 10 watts PEP VHF High/UHF (225-520 MHz): 50 watts PEP Wideband (225 MHz - 2 GHz): 50 watts PEP
Power Input	23-32 VDC
Channel Bandwidth	5 kHz-5 MHz

PHYSICAL	
Dimensions	9.2 5 H x 10.5 W x 14.5 D in (23.5 H x 37 W x 27 D cm)
Weight	37 lbs (16.8 kg) with radio
Color	CARC Green 383 Flat Black

ENVIRONMENTAL	
Shock/Vibration	MIL-STD-810G, ground mobile
Sand/Dust	MIL-STD-810G
Immersion	3 ft (1 meter)
Temperature	-40°F to +140°F (-40°C to 60°C)
Altitude	Operational to 15,000 ft

INTERFACES	
Data	Ethernet, RS-232, EIA-422, PPP, USB (on radio)
Audio	VIC-1, VIC-3, LS-671 compatible
Accessory Power	28 VDC @ 0.2A, 5.6 W
Antenna Ports	VHF Low Bypass: 50 Ohm BNC VHF High/UHF: 50 Ohm BNC UHF SATCOM: 50 Ohm BNC Wideband: 50 Ohm N-Type

RADIO COMPATIBILITY	
AN/PRC-117G	Type 1 Wideband Multiband Radio

ACCESSORIES	
RF-3183-AT013	30-512 MHz Vehicular Antenna
RF-3184-AT320	225-450 MHz Vehicular Antenna (Wideband)
RF-3186-AT320	500-2000 MHz Vehicular Antenna
RF-3187-AT320	30-2000 MHz Vehicular Antenna
10511-0400-04	GPS Antenna L1 Band (use with RF-7800M-MP)
RF-3071-AT230	GPS Antenna L1/L2 Band (use with AN/PRC-117G)
RF-292-01	Antenna Mount



The RF-7800UL-V150 is a 50-Watt Wideband Vehicular Amplifier Adapter (VAA) engineered for use with the Falcon III® AN/PRC-117G manpack. Ideal for long-range applications, the RF-7800UL-V150 provides 50 watts of power from 255 MHz to 2 GHz, 10 watts from 30 MHz to 225 MHz, and narrowband and wideband waveforms up to 5 MHz. This low-profile VAA can be deployed in multiple configurations—as a single unit, or paired with another RF-7800UL-V150 or RF-7800M-V150 low band VAA in the Universal SINCGARS Interface Module. The VAA delivers true multi-mission capabilities with separate VHF, UHF, SATCOM and wideband antenna ports with automatic switching between ground, ground-to-air, SATCOM, and wideband networking communications.

RF-7800UL-V150 50-Watt Wideband VAA

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