

AN/PRC-74 Radio Set

Status: STD-S; NSN: 5820-00-912-3991 (AN/PRC-74)
 STD-S; NSN: 5820-00-926-7282 (AN/PRC-74A)
 STD-B; NSN: 5820-00-935-0030 (AN/PRC-74B)
 STD-A; NSN: 5820-00-177-1641 (AN/PRC-74C)

Reference: TM 11-5820-590-12
 TM 11-5820-590-12-1

General Information

The AN/PRC-74 is a low-power, transistorized, SSB radio set used for voice and CW communications. It is designed primarily as a manpack set in areas where direct LOS communications are not possible. Except for the difference in the frequency range of the AN/PRC-74B and AN/PRC-74C, all models are essentially the same. Current tactical speech security equipment is not compatible with the AN/PRC-74; therefore, secure voice is not a mode of operation. Coder-Burst Transmission Group AN/GRA-71 can be used with all lettered models.

Technical Characteristics

Frequency Range-----	2.0 to 11.999 MHz (AN/PRC-74 and -74A); 2.0 to 17.999 MHz (AN/PRC-74B and -74C)
Planning Range-----	40 km (25 mi) ground wave; refer to sky wave propagation chart to determine medium range, FM 11-486-6
Number of Channels-----	10,000 spaced every 1 kHz (AN/PRC-74 and -74A); 16,000 spaced every 1 kHz (AN/PRC-74B and -74C)
Power Input-----	10.5 to 17 V DC, 12 to 31 V DC or 110/220 V AC
Power Source-----	Battery (BA-30, 70 each or BB-418/U, 10 each); vehicle power system (requires use of PP-4514/PRC-74); any appropriate AC power source (requires use of PP-4514/PRC-74)
Power Output-----	15 W FEP
Antenna-----	AS-1887/PRC-74, slanted wire and dipole
Tuning-----	Detent
Type of Service-----	3K00J3E, 100HA1A
Weight-----	18.8 kg (41.5 lb) with dry Battery BA-4386/U, two each; 13.4 kg (29.5 lb) with wet Battery BB-418/U, 10 each; 22.7 kg (50 lb) with PP-4514/PRC-74

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