

AN/PRC-41 and AN/PRC-41A Radio Sets

Status: STD-A; NSN: 5820-00-889-3997 (AN/PRC-41)
 STD-A; NSN: 5820-00-104-0351 (AN/PRC-41A)

Reference: TM 11-5820-510-12 (AN/PRC-41)
 TM 11-5820-510-12-1 (AN/PRC-41A)

General Information

The AN/PRC-41 is a lightweight, portable VHF/UHF-AM receiver-transmitter which permits manpack, fixed-station, or vehicular operation. The AN/PRC-41 and -41A are identical except that the AN/PRC-41A has the capability to provide secure voice (X-mode) operation when used in conjunction with Speech Security Equipment TSEC/KY-38. The X-mode operation is possible due to circuitry modifications made on the AN/PRC-41A model. A special cable, CX-10831, is required to connect the TSEC/KY-38 to the AN/PRC-41A. The AN/PRC-41 uses RT-695, and the AN/PRC-41A uses RT-695A.

Technical Characteristics

Frequency Range-----	225.0 to 399.9 MHz
Planning Range-----	LOS
Number of Channels-----	1,750, spaced every 100 kHz
Power Input-----	24 V DC
Power Source-----	Portable BA-451/U, vehicle power system, aircraft power system, any AC power source (PP-3700/PRC-41 is required to convert the AC voltage to 24 V DC)
Power Output-----	3 W
Antenna-----	AS-1404 or AS-1405
Tuning-----	Detent, crystal controlled
Squelch-----	Carrier
Type of Service-----	AN/PRC-41, 6K00A3E AN/PRC-41A, 80K0A3E (secure or nonsecure)
Weight-----	20 kg (44.6 lb)
Security Device-----	TSEC/KY-38

AN/PRC-41A Radio Set

