

AN/GRC-109 Radio Set

NSN: 5820-00-892-0881

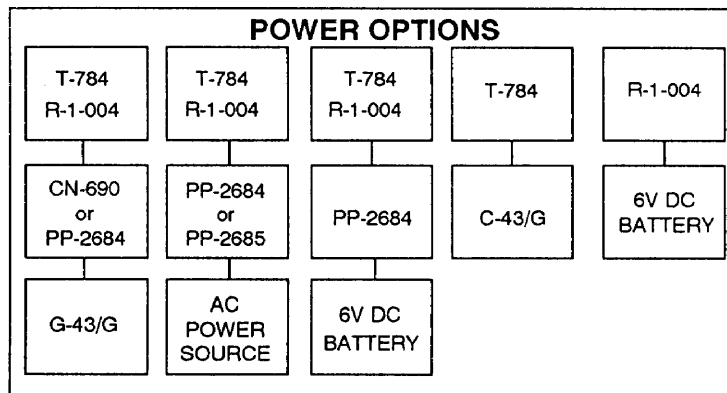
Reference: TM 11-5820-474-14

General Information

The AN/GRC-109 is a compact, portable high frequency (HF) radio set used for continuous wave (CW) communications under a wide range of climatic conditions. Transmissions can be made using the built-in hand key, an external hand key, or an external, high-speed automatic keyer such as Coder-Burst Transmission Group AN/GRA-71. Two power supplies and a voltage regulator permit operation from a variety of power sources. Current tactical speech security equipment is not compatible with the AN/GRC-109; therefore, secure voice is not a mode of operation.

Technical Characteristics

Frequency Range	Transmit, 3 to 22 MHz; receive, 3 to 24 MHz
Planning Range	121 km (75mi)
Number of Channels	24, crystal controlled
Power Input	75 to 260 V AC, 40 to 400 Hz or 6 V DC
Power Source	Any appropriate AC power source, generator DC G-43/G, 6 V DC wet or dry battery
Power Output	10 to 15 W
Antenna	Inverted-L, length depending on the frequency
Tuning	Transmitter, crystal controlled; receiver, crystal controlled or continuous
Squelch	None
Type of Service	Transmit, 100HA1A
Weight	25.2 kg (55.5 lb)



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