

AN/GRC-109 Radio Set

Status: STD-A; NSN: 5820-00-892-0881

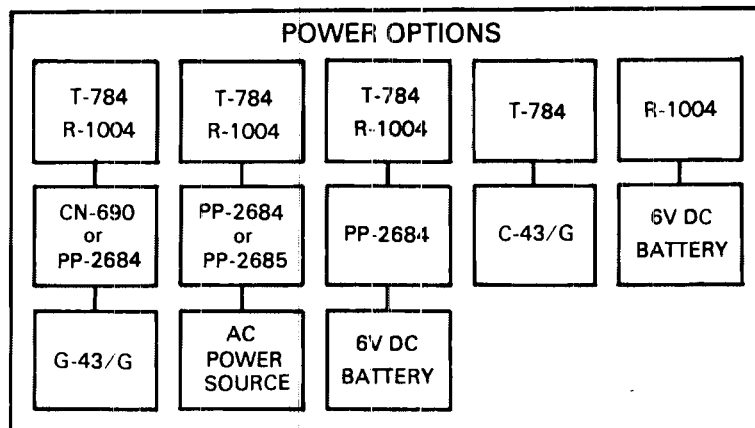
Reference: TM 11-5820-474-14

General Information

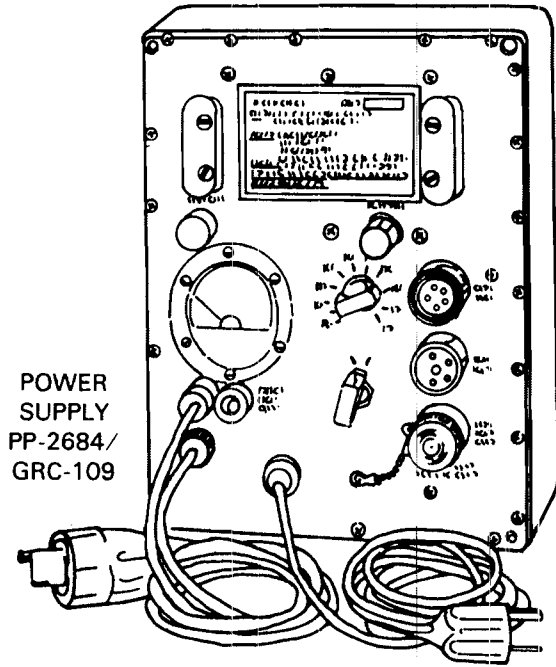
The AN/GRC-109 is a compact, portable HF radio set used for CW communications under a wide range of climatic conditions. Transmissions can be made using the built-in hand key, an external hand key, or an external, high-speed automatic keyer such as Coder-Burst Transmission Group AN/GRA-71. Two power 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

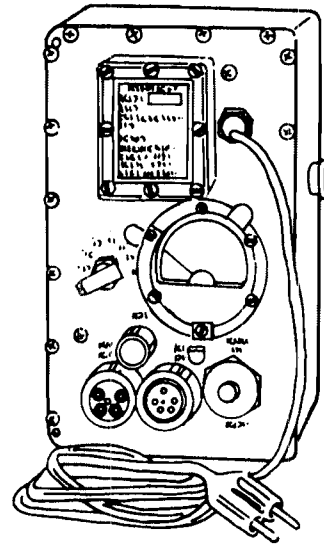
Frequency Range-----Transmit, 3 to 22 MHz; receive, 3 to 24 MHz
 Planning Range-----121 km (75 mi)
 Number of Channels-----24, crystal controlled
 Power Input-----75 to 260 V AC, 40 to 400 Hz or 6 V DC
 Power Source-----Any appropriate AC power source, generator DC G-43/G, 6 V DC wet or dry battery
 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)



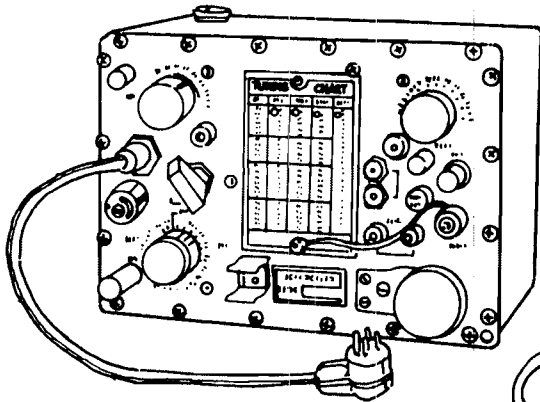
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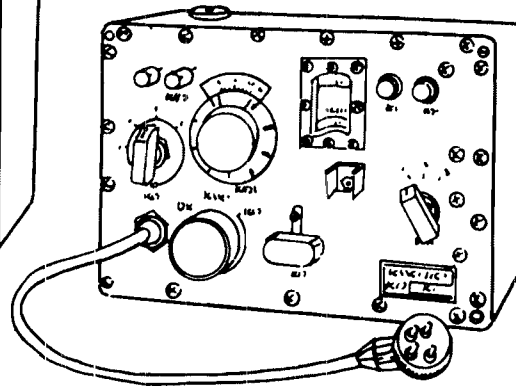
POWER
SUPPLY
PP-2684/
GRC-109



POWER SUPPLY
PP-2685/
GRC-109



RADIO TRANSMITTER
T-784/GRC-109



RADIO RECEIVER
R-1004/GRC-109