

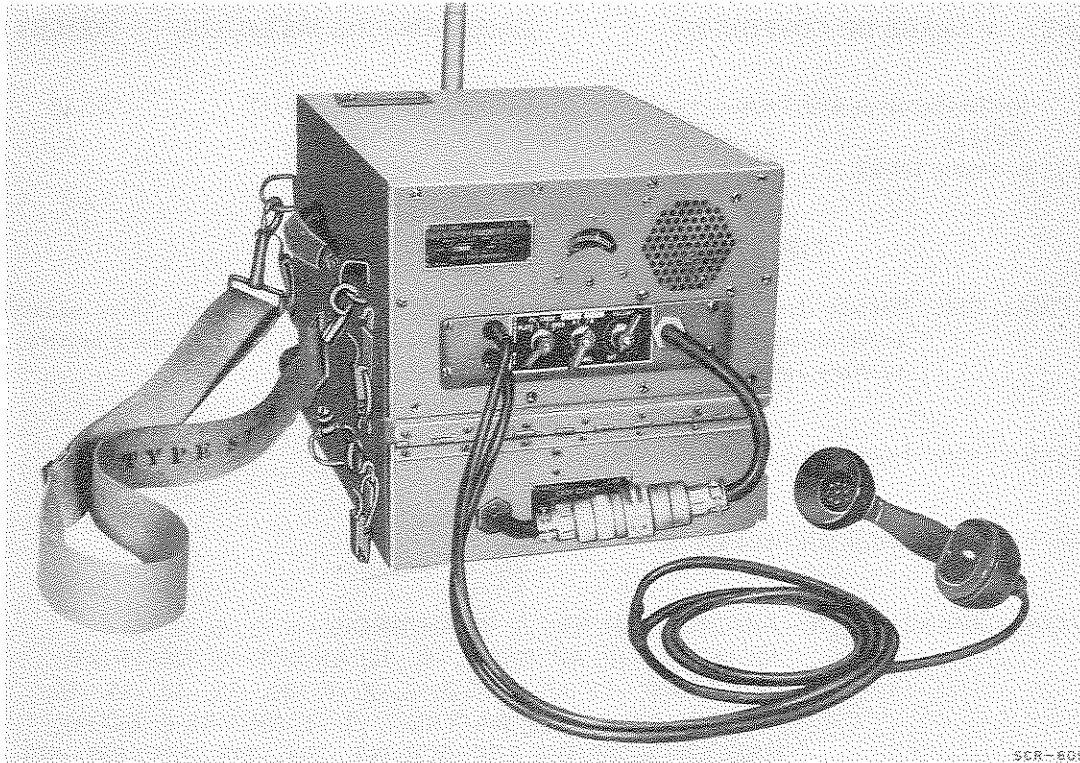
STATUS: Limited Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Army, Navy
DATE OF THIS SHEET: 22 Jan 52

AN/PRC-TYPE

SERVICE TYPE NUMBER:

SCR-609

RADIO SET



Radio Set SCR-609 is a transportable, low-power, short-range, f-m (voice), transmitting and receiving equipment used by field artillery units.

This equipment consists essentially of a receiver-transmitter component which derives its power from a set of dry batteries contained within a case to which it is attached by means of trunk-type clasps. Antenna, handset, and related accessories are included.

Provides 80 f-m channels spaced 100 kc apart, two of which can be preset in the field. This set can be operated by means of standard remote control equipment.

Radio Set SCR-609 can be operated in a vehicle by means of a power supply unit which derives its power from the storage battery of the vehicle in which the equipment is installed. When so arranged the equipment is identical with Radio Set SCR-610.

AN/PRC-TYPE		INSTRUCTION LITERATURE: TM 11-615
SCR-609	SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO SET		USING SERVICE : Army, Navy
		DATE OF THIS SHEET : 22 Jan 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver and Transmitter BC-659	11-7/8 x 16-3/8 x 21-1/2	35.13
1	Antenna AN-29	154 (extended) 15-1/2 (collapsed)	2.0

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Battery fire control from observation posts or liaison airplanes. Also general communication between vehicles. Engineer company, field artillery battery, military police company.

INSTALLATION: Installed and operated on ground.

APPROXIMATE RANGE (IN MILES): 5.

CAN COMMUNICATE WITH: AN/CRC-3; AN/FRC-6, -9; AN/GRC-3, -4, -5, -6, -7, -8;
AN/MRC-5, -16; AN/PRC-8, -9, -10; AN/SRR-13; AN/TRQ-1;
AN/URR-10, -12; AN/YRC-2, -5, -8, -9, -10, -13, -14, -15, -16,
-17, -18, -20, -21, -22; AN/VRQ-1, -2, -3; AN/VRR-4; BC-787;
MAN; MN; R-137/GR; RBK; SCR-293, -294, -298, -508, -509, -510,
-528, -607, -608, -609, -610, -619, -628, -678, -808, -828.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 27.0 - 38.9.

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: 1.3 w.

POWER REQUIREMENTS: Receiving: Battery BA-40; A, 1.5 v and B, 90 v.
Transmitting: Batteries BA-39 and BA-40; A, 7.5 v and B, 150 v.
Internal bias Battery BA-41 is also required.

PHYSICAL CHARACTERISTICS

Radio Set SCR-609 packed for domestic shipment: total weight 137.5 pounds, total volume 7.4 cu ft.