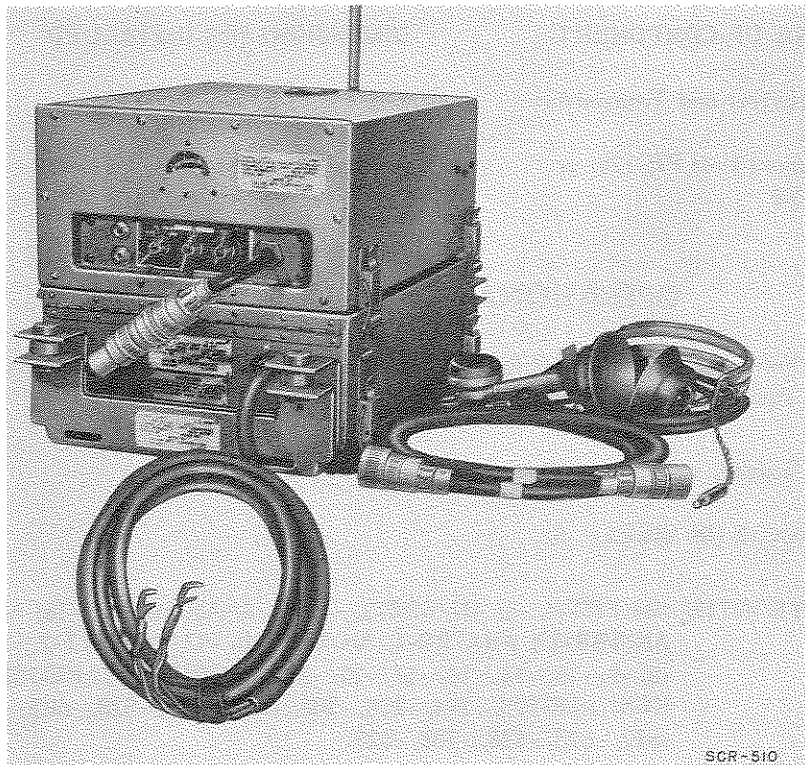


STATUS: Limited Standard	<b>AN/VRC-TYPE</b>
CLASSIFICATION OF EQUIPMENT: Unclassified	
USING SERVICE: Army, Navy	
DATE OF THIS SHEET: 22 Jan 52	
	SERVICE TYPE NUMBER: SCR-510
	RADIO SET



SCR-510

Radio Set SCR-510 is a pack and vehicular, short-range, low-power, f-m (voice), radiotelephone equipment used as a command set by field artillery, infantry, and armored units.

This equipment consists of a receiver-transmitter, power supply unit, and accessories. Provides 80 crystal-controlled channels spaced 100 kc apart, two of which can be preset.

Can be operated from a remote point over a telephone pair by means of standard remote control apparatus.

Operates on the ground from dry batteries in Case CS-79, and is then identical with Radio Set SCR-509.

<b>AN/VRC-TYPE</b>		INSTRUCTION LITERATURE: TM 11-605
SCR-510	: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-620	6-3/4 x 13-3/16 x 14-15/16	27.20
1	Power Supply Unit PE-120, or Case CS-79	6 x 13-3/16 x 14-15/16	20.00

**OPERATIONAL CHARACTERISTICS**

**TACTICAL USE:** Vehicular command set for field artillery, infantry and armored units. Cavalry squadron and ordnance battalion.

**INSTALLATION:** Ground, vehicular. Operates on the move or at the halt.

**APPROXIMATE RANGE (IN MILES):** 5.

**CAN COMMUNICATE WITH:** AN/FRT-5, -6; AN/GRC-3, -4, -5, -6; AN/MRC-3, -16; AN/PRC-8, -9; AN/SRR-13; AN/TRQ-1; AN/URR-10, -12; AN/URT-2, -3, -4; AN/VRC-5, -8, -9, -13, -14, -16, -17, -20, -21; AN/VRQ-1, -2; BC-787; 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:** 20.0 - 27.9.

**TYPE MODULATION:** Fm.

**TYPE OF SIGNAL:** Voice.

**POWER OUTPUT:** 1.8 w.

**POWER REQUIREMENTS:** For vehicular operation: 6- or 12-v vehicular storage battery, Battery BA-41, and Plate Supply Unit PE-97 or Power Supply Unit PE-120.

**PHYSICAL CHARACTERISTICS**

Radio Set SCR-510 packed for export shipment: total weight 235 pounds, total volume 12 cu ft.