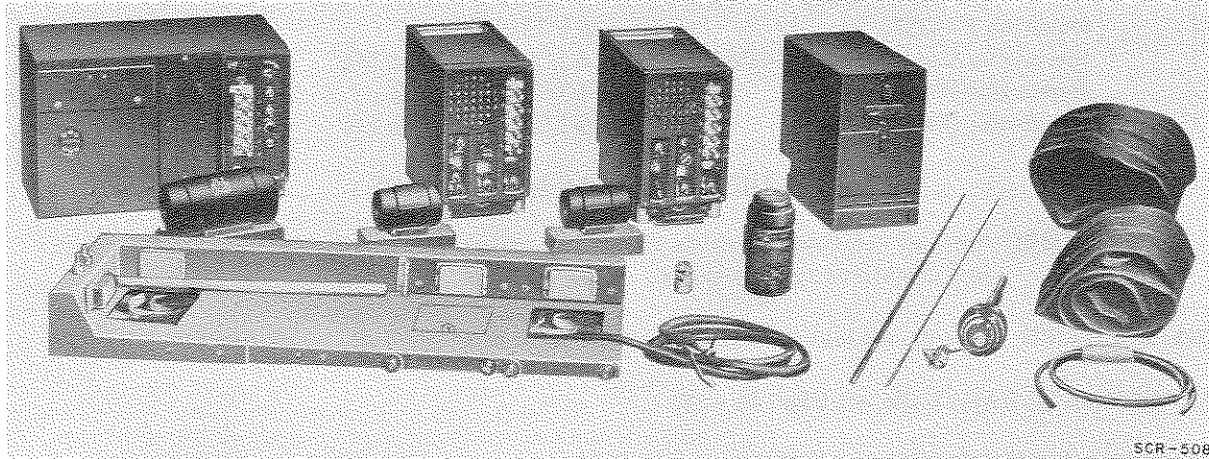


STATUS: Limited Standard  
CLASSIFICATION OF EQUIPMENT: Unclassified  
USING SERVICE: Army, Navy  
DATE OF THIS SHEET: 22 Jan 52

**AN/VRC-TYPE**

SERVICE TYPE NUMBER: SCR-508  
RADIO SET



Radio Set SCR-508 is a vehicular, medium-range, crystal-controlled, f-m (voice) radiotelephone equipment used by armored units.

This equipment consists of two receivers and one transmitter mounted on a common shock mount and provides a total of 20 receiving and 10 transmitting channels. It also provides for operation of the vehicular interphone system. Each receiver and the transmitter provide 80 frequency channels, 10 of which are preset, and are selected by means of push buttons mounted on the front panel of each. A whip-type vehicular antenna, set of crystals, and related accessories are included.

This set operates from power derived from the storage battery of the vehicle in which it is installed. The transmitter and each receiver has an individual dynamotor.

<b>AN/VRC-TYPE</b>		INSTRUCTION LITERATURE: TM 11-600
SCR-508	: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 Transmitter BC-604	11-1/2 x 10-1/4 x 18	67
2	Radio Receivers BC-603 (each)	11-1/2 x 6-3/4 x 12-1/2	35
1	Mounting FT-237	5 x 12 x 33	26
1	Interphone Control Box BC-606-H	4-1/2 x 2-1/4 x 4-1/4	1.8
2	Dynamotor DM -34 or 36 (each)	4-1/2 x 3 x 6-1/2	4.7
1	Dynamotor DM-35 or 37	5-1/2 x 4-1/2 x 8-1/4	9.2

### OPERATIONAL CHARACTERISTICS

**TACTICAL USE:** Armored vehicular elements of infantry and armored divisions. Cavalry squadron and amphibion tank company.

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

**APPROXIMATE RANGE (IN MILES):** 10 - 15.

**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/YRQ-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 (transmitter, 80 channels).

**TYPE MODULATION:** Fm.

**TYPE OF SIGNAL:** Voice.

**POWER OUTPUT:** 25 w.

**POWER REQUIREMENTS:**

Transmitter: 12-v vehicular battery through Dynamotor DM-35,  
24-v vehicular battery through Dynamotor DM-37.

Receiver: 12-v vehicular battery through Dynamotor DM-34,  
24-v vehicular battery through Dynamotor DM-36.

### PHYSICAL CHARACTERISTICS

Radio Set SCR-508 packed for domestic or export shipment: total weight 710 pounds, total volume 31.6 cu ft, 0.75 ship ton. Shipped in 7 packages both domestic and export.