

STATUS: Standard

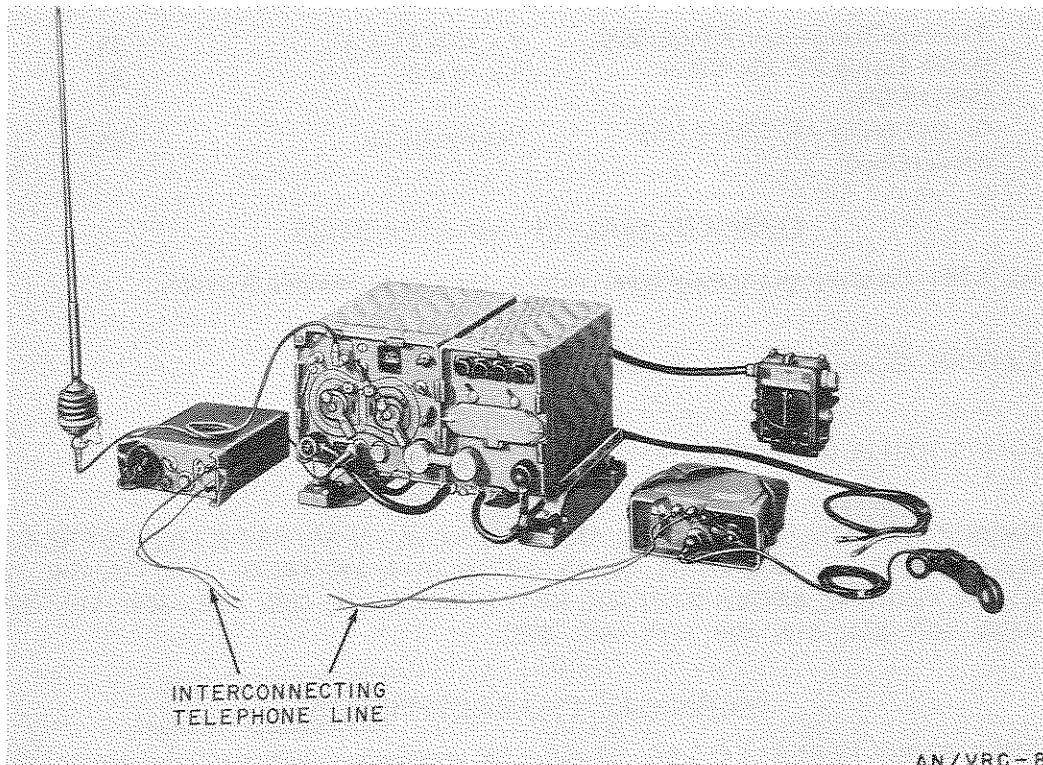
CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army, Navy

DATE OF THIS SHEET: 8 Jan 52

AN/VRC-8

RADIO SET



AN/VRC-8

Radio Set AN/VRC-8 is a short-range vehicular f-m (voice) equipment for communication within and between armored units, and for liaison between armored force and artillery units.

This set consists of the receiver-transmitter component designated as set 1, when used as part of radio sets of the integrated series such as Radio Sets AN/GRC-3 and AN/GRC-4. Vehicular installation unit, power supply equipment, control and accessory components are included.

This equipment can be operated from a remote point up to a distance of about two miles over a telephone pair, by means of Control Group AN/GRA-6.

AN/VRC-8	INSTRUCTION LITERATURE: TM 11-286
	CLASSIFICATION OF EQUIPMENT: Unclassified USING SERVICE : Army, Navy
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Receiver-Transmitter RT-66/GRC	9 x 13 x 11-1/4	35
1	Power Supply PP-109/GR or PP-112/GR	9 x 13 x 8	33
1	Control Group AN/GRA-6 (and accessories)	Not Available	125

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Company and battery level units organic to an armored division.

INSTALLATION: Ground, vehicular, moving 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/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 - 27.9 (80 preselected channels; 2 preselected channels;
or continuous manual tuning).

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: Transmitter: 16 w on high power; 2 w on low power.
Receiver: 1 w at loudspeaker; 50 mw at headphone terminals.

POWER REQUIREMENTS: From vehicular storage battery:

	<u>12 v</u>	<u>24 v</u>
Transmitting:	11.9	7.3 amps
Stand-by:	2.3	1.5

PHYSICAL CHARACTERISTICS

Radio Set AN/VRC-8 weighs 100 pounds net. Packed for export shipment: total weight 267 pounds,
total volume 6.05 cu ft. Shipped in 3 packages.