

STATUS: Standard

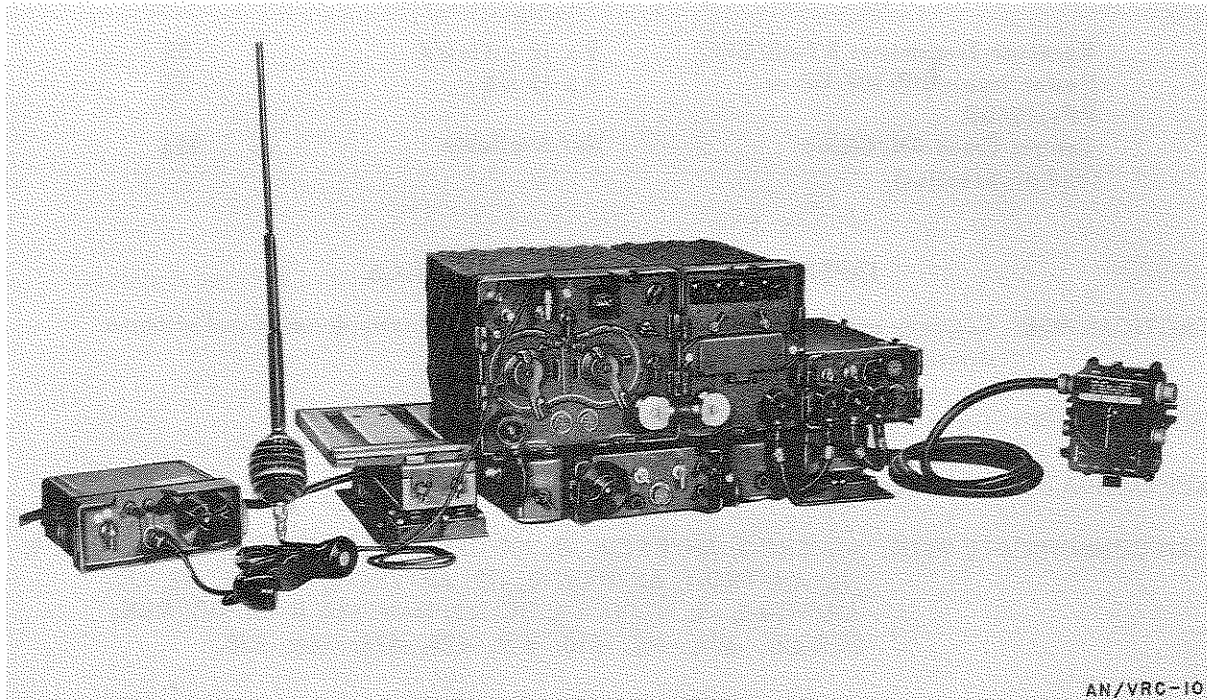
CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army, Navy

DATE OF THIS SHEET: 8 Jan 52

AN/VRC-10

RADIO SET



Radio Set AN/VRC-10 is short-range, vehicular, f-m (voice) equipment for communication within and between infantry units and for liaison between infantry 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-7 and AN/GRC-8. Vehicular installation unit, power supply equipment, and control and accessory items are included.

This equipment can be operated by means of Control Group AN/GRA-6 from a remote point up to a distance of about 2 miles over a telephone pair.

AN/VRC-10	INSTRUCTION LITERATURE: TM 11-286
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Receiver-Transmitter RT-68/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 infantry division and airborne division.

INSTALLATION: Ground, vehicular, moving or at the halt.

APPROXIMATE RANGE (IN MILES): 10 - 15.

CAN COMMUNICATE WITH: AN/CRC-3; AN/FRC-6, -9; AN/GRC-7, -8; AN/MRC-5, -16; AN/PRC-9, -10; AN/TRQ-1; AN/URR-10, -12; AN/VRC-2, -10, -15, -18, -22; AN/VRQ-2, -3; AN/YRR-4; BC-787; MAN; MN; R-137/GR; RBK; SCR-607, -608, -609, -610, -619, -628, -678, -808, -828.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 38.0 - 54.9 (170 detented channels, two 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 amp
Stand-by:	2.3	1.5 amp.

PHYSICAL CHARACTERISTICS

Radio Set AN/VRC-10 weighs 100 pounds net. Packed for export shipment: total weight 267 pounds, total volume 6.05 cu ft. Shipped in 3 packages.