

STATUS: Standard

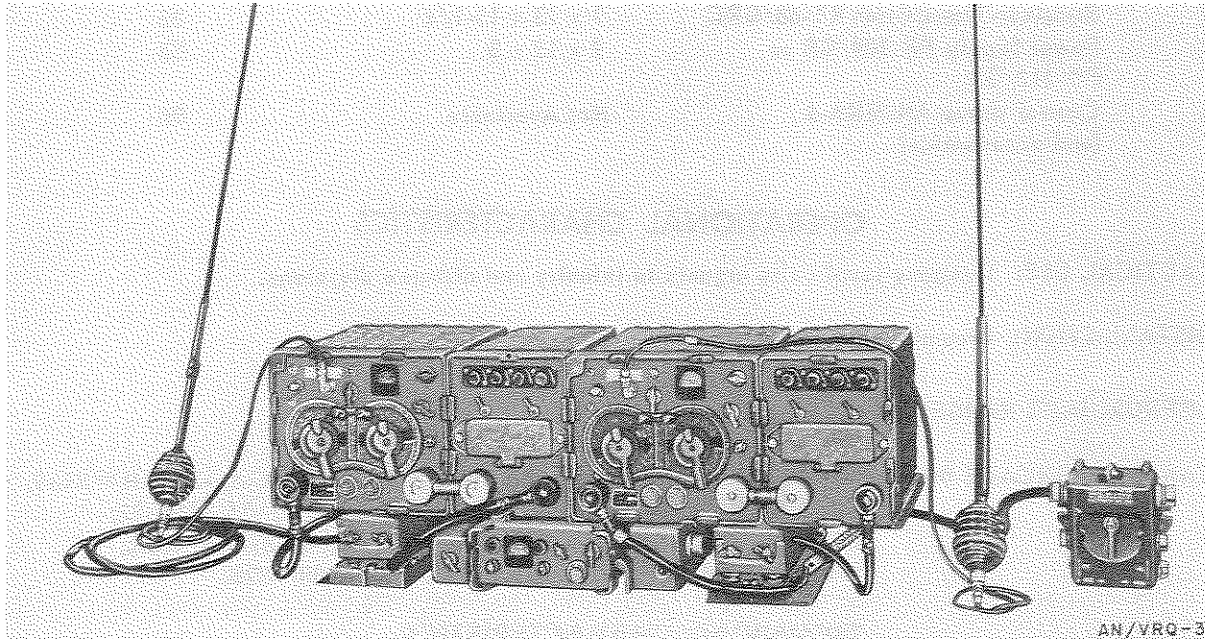
CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

DATE OF THIS SHEET: 8 Jan 52

AN/VRQ-3

RADIO SET



Radio Set AN/VRQ-3 is a short-range, vehicular, f-m (voice) equipment for point-to-point, retransmission, or radio relay communication within and between infantry units and between artillery and infantry units.

This set consists of two Receiver-Transmitters RT-68/GRC 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 units 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/VRQ-3	INSTRUCTION LITERATURE: TM 11-287
	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO SET	USING SERVICE: Army
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
2	Receiver-Transmitter RT-68/GRC	9 x 13 x 11-1/4	35
2	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	96

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Company level units organic to infantry and airborne divisions.

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/VRG-2, -10, -15, -18, -22; AN/VRQ-2, -3; AN/VRR-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 at each RT-68/GRC).

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: (Each receiver-transmitter)	Transmitting:	High power	16 w
		Low power	2 w
	Receiver:	Loudspeaker	1 w
		Headphones	50 mw.

POWER REQUIREMENTS: From vehicular storage battery:		12 v	24 v
	Transmitting (each set):	11.9	(7.3 amp)
	Stand-by (each set):	2.3	(1.5 amp).

PHYSICAL CHARACTERISTICS

Radio Set AN/VRQ-3 packed for export shipment: total weight 427 pounds, total volume 8.4 cu ft. Shipped in 3 packages.