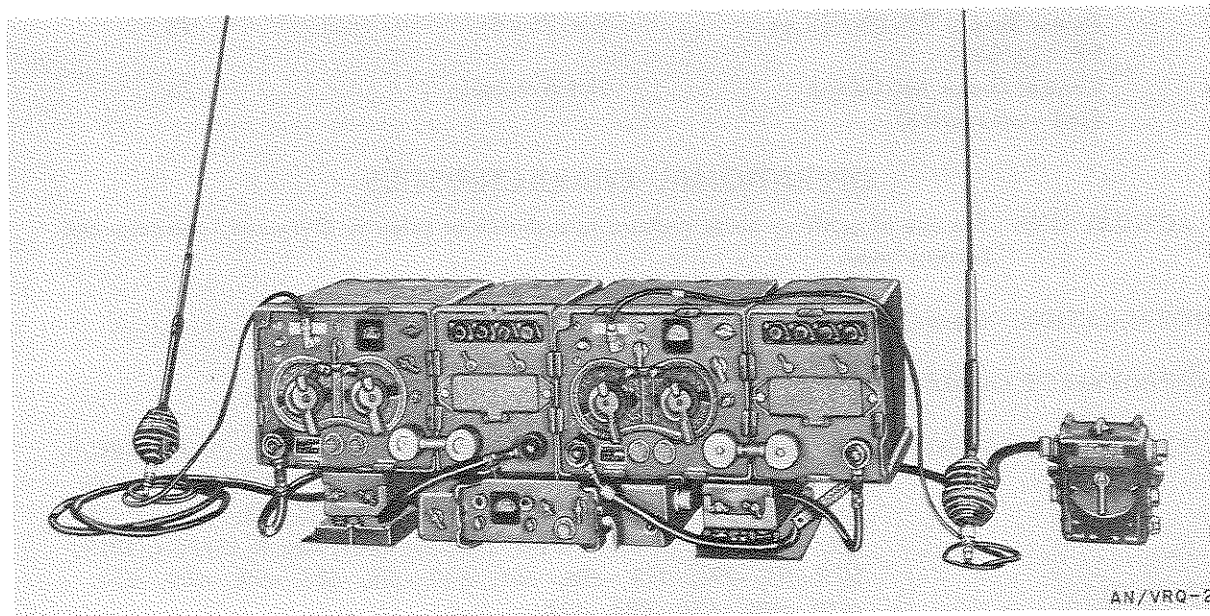


STATUS: Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Army
DATE OF THIS SHEET: 8 Jan 52

AN/VRQ-2

RADIO SET



Radio Set AN/VRQ-2 is a short-range, vehicular, f-m (voice) equipment for point-to-point, retransmission, or radio relay communication within and between artillery units or between artillery and armored or infantry units.

This set consists of two Receiver-Transmitters RT-67/GRC designated as set 1 when used as part of radio sets of the integrated series such as Radio Sets AN/GRC-5 and AN/GRC-6. 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-2	INSTRUCTION LITERATURE: TM 11-287
	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO SET	USING SERVICE: Army
	DATE OF THIS SHEET: 8 Jan 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
2	Receiver-Transmitter RT-67/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: For use of artillery units organic to airborne or infantry divisions, company and battery level.

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-3, -4, -5, -6, -7, -8; AN/MRC-5, -16; AN/PRC-8, -9, -10; AN/SRR-13; AN/TRQ-1; AN/URR-10, -12; AN/VRC-2, -5, -8, -9, -10, -13, -14, -15, -16, -17, -18, -20, -21, -22; AN/VRQ-1, -2, -3; AN/VRR-4; BC-787; MAN; MN; 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: 27.0 - 38.9 (120 detented channels, two preselected channels, or continuous manual tuning at each RT-67/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
	Headphone	50 mw

POWER REQUIREMENTS: From vehicular storage battery:

	<u>12 v</u>	<u>24 v</u>
Transmitting (each set):	11.9	(7.3 amp)
Stand-by (each set):	2.3	(1.5 amp)

PHYSICAL CHARACTERISTICS

Radio Set AN/VRQ-2 packed for export shipment: total weight 427 pounds, total volume 8.4 cu ft. Shipped in 3 packages.