

STATUS: Standard

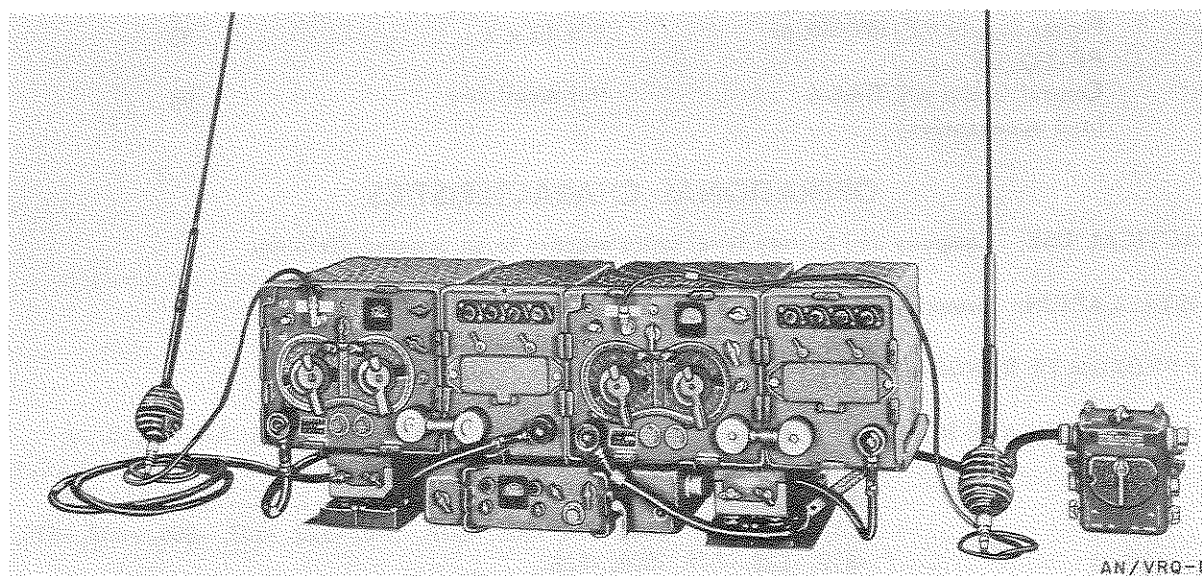
CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

DATE OF THIS SHEET: 8 Jan 52

AN/VRQ-1

RADIO SET



Radio Set AN/VRQ-1 is a short-range, vehicular, f-m (voice) equipment for point-to-point, retransmission, or radio relay communication within and between armored units or between armored and artillery units.

This set consists of two Receiver-Transmitters RT-66/GRC 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, 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-1

INSTRUCTION LITERATURE: TM 11-287

CLASSIFICATION OF EQUIPMENT: Unclassified

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RADIO SET

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
2	Receiver-Transmitter RT-66/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 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: 20.0 - 27.9 (80 detented channels, two preselected channels,
or continuous manual tuning at each RT-66/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: 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-1 packed for export shipment: total weight 427 pounds, total volume 8.4 cu ft.
Shipped in 3 packages.