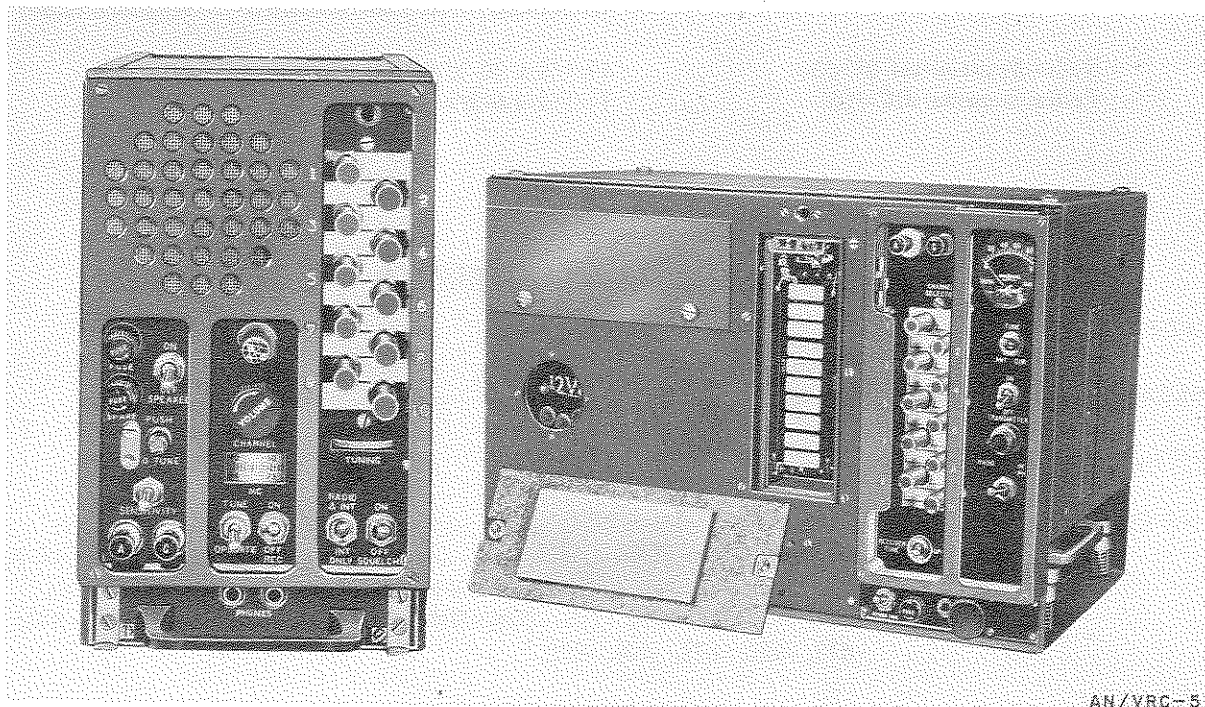


STATUS: Limited Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Army, Navy
DATE OF THIS SHEET: 22 Jan 52

AN/VRC-5

RADIO SET



Radio Set AN/VRC-5 is a short-range, low-power, h-f, f-m (voice) radiotelephone equipment used for communication while installed in vehicles of the armored force.

This equipment consists of a crystal-controlled transmitter and a receiver, plus antenna and related accessories. The transmitter and the receiver operate on 10 preset channel frequencies which are selected by means of pushbuttons mounted on the front panels of each of these components.

A single whip-type antenna is used for transmission and reception, and provision is made for automatic disabling of receiver output during operation of the transmitter dynamotor.

Can be operated from the storage battery of the vehicle in which it is used by means of appropriate dynamotors which are installed within the housings of the transmitter and the receiver.

AN/VRC-5	INSTRUCTION LITERATURE: TM 11-600
	CLASSIFICATION OF EQUIPMENT: Unclassified
	USING SERVICE : Army, Navy
RADIO SET	DATE OF THIS SHEET : 22 Jan 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter BC-604	11-1/2 x 10-1/4 x 18	67
1	Radio Receiver BC-603	11-1/2 x 6-3/4 x 12-1/2	35

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Armored units.

INSTALLATION: Ground, vehicular.

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 (10 preset channels).

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: 30 w. (receiver: 2 w at speaker, 0.2 w at headset).

POWER REQUIREMENTS: (24 amp) from 12-v storage battery through Dynamotor DM-35 or (14 amp) from 24-v storage battery through Dynamotor DM-37.

PHYSICAL CHARACTERISTICS

Radio Set AN/VRC-5 packed for export shipment: total weight 645 pounds, total volume 29.6 cu ft, 0.74 ship ton. Shipped in 6 packages.