

STATUS: Standard

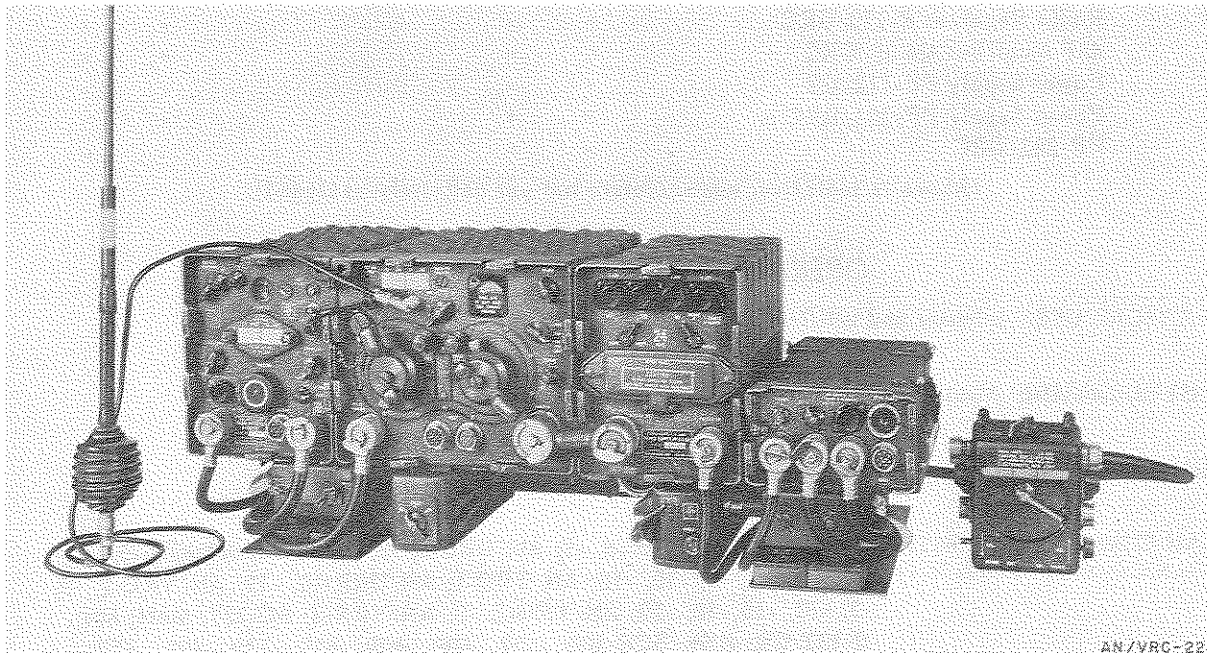
CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

DATE OF THIS SHEET: 24 Mar 52

AN/VRC-22

RADIO SET



Radio Set AN/VRC-22 is a vehicular, short-range, f-m (voice) radiotelephone equipment for communication within and between infantry units and for liaison between infantry and artillery units.

This equipment consists of the receiver-transmitter component designated as set 1 when used as part of such radio sets of the integrated series as Radio Sets AN/GRC-7 and AN/GRC-8, plus the auxiliary receiver component of these sets. Vehicular installation unit, interphone amplifier, power supply equipment, and antenna and accessory components are included.

AN/VRC-22	INSTRUCTION LITERATURE: TM 11-642
	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO SET	USING SERVICE : Army
	DATE OF THIS SHEET : 24 Mar 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Receiver-Transmitter RT-68/GRC	Not Available	Not Available
1	Radio Receiver R-110/GRC	" "	" "
1	A-F Amplifier AM-65/GRC	" "	" "
1	Power Supply PP-112/GR	" "	" "
2	Power Supply PP-281/GRC or PP-282/GRC	" "	" "

(Above is tentative, nomenclature not yet definitely assigned).

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Infantry and artillery units.

INSTALLATION: Vehicular.

APPROXIMATE RANGE (IN MILES): Short.

CAN COMMUNICATE WITH: AN/CRC-3; AN/FRC-6, -9; AN/GRC-4, -5, -6, -7, -8; AN/MRC-5, -6; AN/PRC-6, -9, -10, -16; AN/TRQ-1; AN/URR-10, -12; AN/VRC-2, -3, -7, -10, -15, -18, -22; AN/VRQ-2, -3; AN/VRR-4; BC-787; MAN; MN; R-137/GR; RBK; SCR-300, -607, -608, -609, -610, -619, -628, -678, -808, -828.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 38.0 - 57.9

Receiver-Transmitter RT-68/GRC: 170 detented channels, two preselected channels, or continuous manual tuning.

Radio Receiver R-110/GRC: three preselected channels or continuous manual tuning.

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: 9 - 16 w.

POWER REQUIREMENTS: 12-v or 24-v storage battery.

PHYSICAL CHARACTERISTICS

Information on Radio Set AN/VRC-22 not available.