

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

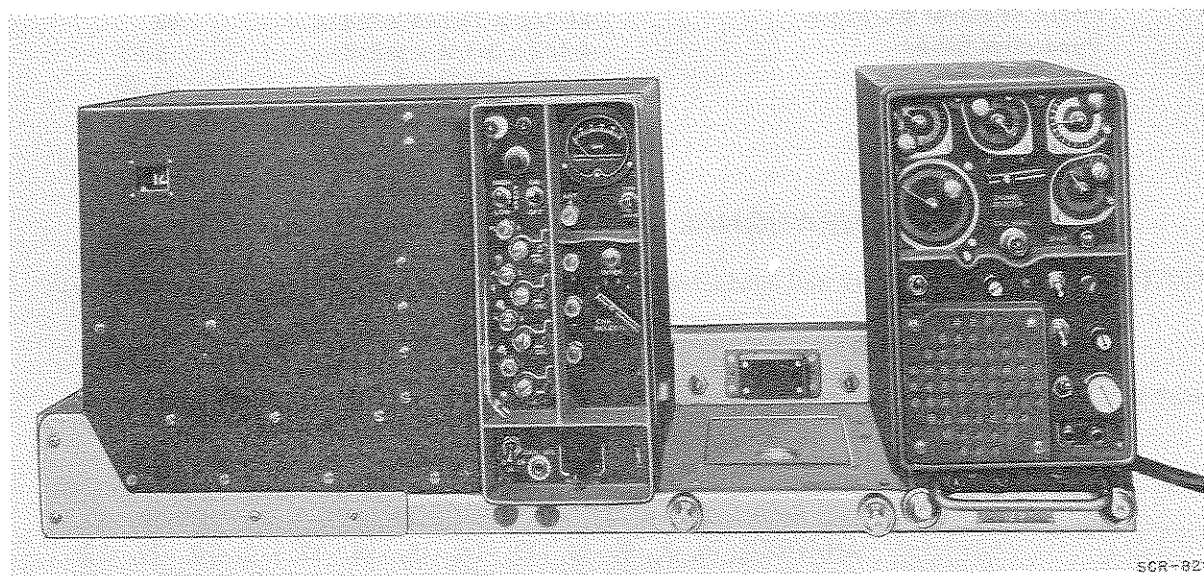
DATE OF THIS SHEET: 28 Jan 52

AN/VRC-TYPE

SERVICE TYPE NUMBER:

SCR-828

RADIO SET



Radio Set SCR-828 is a vehicular, v-h-f, short-range, f-m (voice), receiving and transmitting equipment used by coast artillery and military police units.

This equipment consists of a transmitter, a receiver installed on a common shock mount, and associated accessories. It operates on 120 channels, four of which are preset.

Set uses a whip-type vehicular antenna and has a crystal calibrator.

Power is obtained from the storage battery of the vehicle in which the equipment is installed, through appropriate dynamotors.

AN/VRC-TYPE		INSTRUCTION LITERATURE: TM 11-601
SCR-828	:SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT:Unclassified
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter BC-924-A	11-1/2 x 10-1/2 x 18	49
1	Radio Receiver BC-923-A	11-1/2 x 12-3/4 x 6-3/4	42
1	Dynamotor DM-64	4-1/2 x 3-1/4 x 6-5/8	5.25
1	Dynamotor DM-65	5-1/2 x 4-1/2 x 8-3/4	13.25
2	Mast Sections MS-117	39-1/2	0.66
2	Mast Sections MS-118	39-5/8	0.81

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Headquarters and headquarters battery, antiaircraft artillery, seacoast artillery; military police; and security troop units.

INSTALLATION: Ground, vehicular.

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.

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: High: 30 to 35 w.

Low: 2 w.

POWER REQUIREMENTS: 12-v storage battery.

PHYSICAL CHARACTERISTICS

Radio Set SCR-828 packed for export shipment: total weight 373.5 pounds, total volume 18 cu ft.