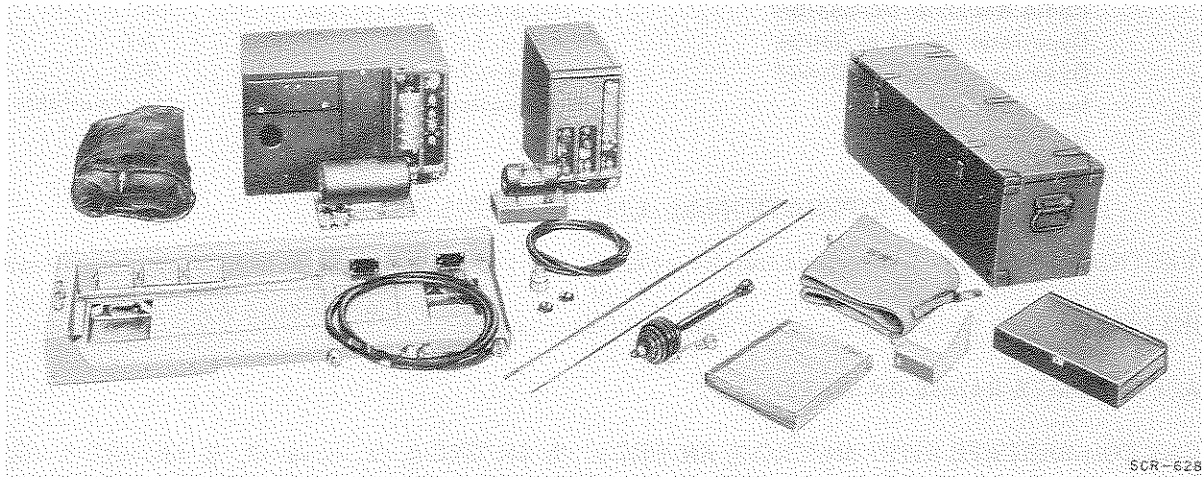


STATUS: Limited Standard  
CLASSIFICATION OF EQUIPMENT: Unclassified  
USING SERVICE: Army Navy  
DATE OF THIS SHEET: 29 Jan 52

**AN/MRC-TYPE**

SERVICE TYPE NUMBER: SCR-628  
RADIO SET



Radio Set SCR-628 is a crystal-controlled, vehicular, short-range, low-power radiotelephone equipment used for f-m (voice) communication in the frequency range assigned field artillery units.

This equipment consists essentially of one receiver and one transmitter, appropriate dynamotors, antenna components, and accessories.

The transmitter and the receiver provide 120 channel frequencies, 10 of which may be preset, in each case. Each of these components are equipped with 10 push buttons for selecting frequency channels. There are thus provided 10 transmitting and 10 receiving channels.

The SCR-628 provides for operation of the interphone equipment of the vehicle in which it is installed.

Operates from 12- or 24-v vehicular storage batteries through selection of appropriate dynamotors.

<b>AN/MRC-TYPE</b>		INSTRUCTION LITERATURE: TM 11-620
SCR-628	:SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO SET		USING SERVICE : Army, Navy
		DATE OF THIS SHEET : 29 Jan 52

**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter BC-684-BM	11-1/2 x 10-1/4 x 18	67
1	Radio Receiver BC-683-BM	11-1/2 x 6-3/4 x 12-1/2	35
1	Dynamotor DM-34 or DM-36	4-1/2 x 3 x 6-1/2	4.7
1	Dynamotor DM-35 or DM-37	5-1/2 x 4-1/2 x 8-1/4	9.2
1	Installation Unit	Not Available	Not Available
1	Mounting FT-284	" "	" "

**OPERATIONAL CHARACTERISTICS**

**TACTICAL USE:** Signal air-ground training company and engineer, ordnance, and transportation depots.

**INSTALLATION:** Combat vehicles and other mobile equipment.

**APPROXIMATE RANGE (IN MILES):** 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.

**TYPE MODULATION:** Fm.

**TYPE OF SIGNAL:** Voice.

**POWER OUTPUT:** 20 w.

**POWER REQUIREMENTS:** 12 v at(20 amp)or 24 v at(12 amp)dc.

Transmitter: 12-v vehicular battery through Dynamotor DM-35,  
24-v vehicular battery through Dynamotor DM-37.

Receiver: 12-v vehicular battery through Dynamotor DM-34,  
24-v vehicular battery through Dynamotor DM-36.

**PHYSICAL CHARACTERISTICS**

Radio Set SCR-628 weighs 349.5 pounds net, volume 14.5 cu ft. Packed for domestic shipment: total weight 595pounds, total volume 29.5 cu ft, 0.75 ship ton. Packed for export shipment: total weight 660 pounds, total volume 31.5 cu ft, 0.75 ship ton.