

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

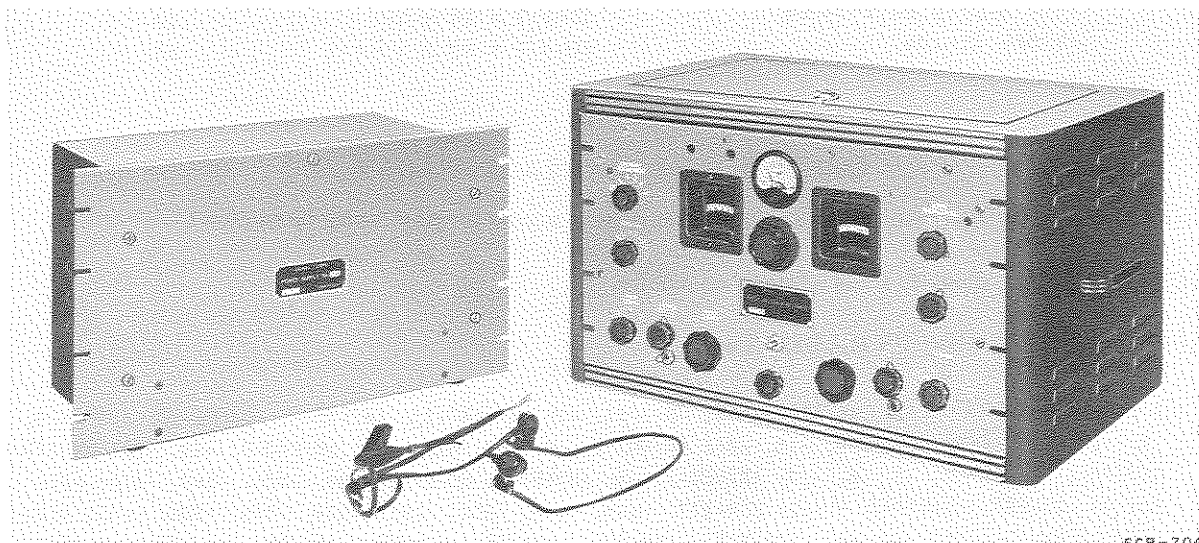
DATE OF THIS SHEET: 29 Jan 52

AN/FRR-TYPE

SERVICE TYPE NUMBER:

SCR-704

RADIO SET



SCR-704

Radio Set SCR-704 is a long-range, a-m (voice, tone, and cw) receiving equipment which is used for high-frequency intercept, monitoring, and similar applications for fixed plant use by army security agency (ASA).

This equipment consists essentially of a commercial (Hammarlund Super-Pro) communications-type table model receiver and a panel-mounted power supply. The equipment may be installed on a standard relay rack and operates in five frequency bands.

This set can be installed and operated in a vehicle and can be used for communication purposes. The antenna used is a single-wire and ground, or may be a doublet antenna system having a balanced transmission line. It can be used as an audio amplifier if required.

Operates from 115 or 230-v ac or from a 6-v vehicular storage battery and six 45-v dry cells.

AN/FRR-TYPE		INSTRUCTION LITERATURE: TM 11-866
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver BC-794	10-1/2 x 19 x 15-3/8	55
1	Power Supply Unit RA-94	10-1/2 x 19 x 10	60
1	Cabinet CH-104	10-1/2 x 23 x 16-1/2	18

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Army security agency headquarters, signal service team, fixed plant.

INSTALLATION: Ground, fixed station, or mobile.

APPROXIMATE RANGE (IN MILES): Long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -21, -25; AN/ART-13; AN/CRT-3; AN/FRC-10; AN/FRT-5, -6, -15, -17, -18; AN/GRC-9, -13, -26; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRT-4; AN/TRQ-1; AN/URT-2, -3, -4, -10; AN/VRC-1, -4; AN/VRT-1; BC-191, -399, -401, -447, -610; MBS; MQ; OA-60A/FRT, -60B/FRT; RC-52; SCR-177, -188, -193, -274, -281, -399, -499, -506, -536, -543, -585, -694; T-4/FRC, -83/SR, -158/FRT, -159/FRT, -171/FR, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TBA; TBC; TBC; TBL; TBM; TBN; TBO; TBU; TBW; TBX; TBY; TCB; TCC; TCE; TCH; TCK; TCP; TCS; TCZ; TDE; TDF; TDH; TDN; TDO; TEB; TEC; TEF; Collins 18S-4 (AF Model); Collins 32V-2; Fisher TS 25-3; Marconi TH-41-B; Westinghouse Type MW; Wilcox 96D, 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 1.25 - 40.0 in 5 bands.

Band 1: 1.25 - 2.50

Band 3: 5.0 - 10.0

Band 5: 20.0 - 40.0.

Band 2: 2.50 - 5.0

Band 4: 10.0 - 20.0

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, tone, and voice.

POWER REQUIREMENTS: 115 - 230 v, 50/60 cyc, ac, (or, 6-v storage battery, and six 45-v batteries).

PHYSICAL CHARACTERISTICS

Radio Set SCR-704 weighs 146.6 pounds net, volume 5.34 cu ft. Packed for export shipment: total weight 179 pounds, total volume 7.5 cu ft.