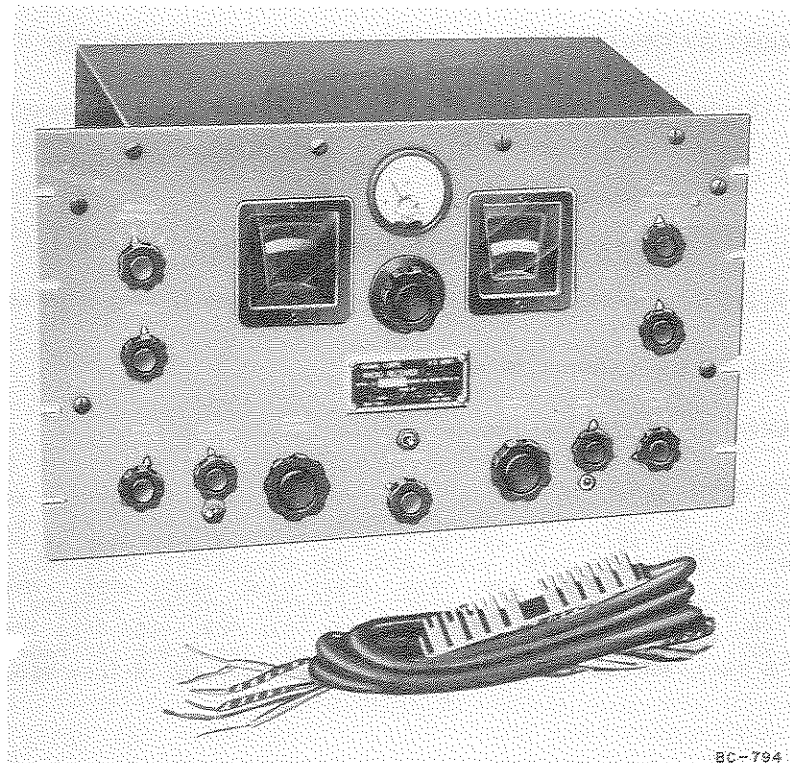


STATUS: Standard	AN/FRR-TYPE
CLASSIFICATION OF EQUIPMENT: Unclassified	
USING SERVICE: Army	SERVICE TYPE NUMBER: BC-794
DATE OF THIS SHEET: 11 Jan 52	RADIO RECEIVER



Radio Receiver BC-794 is a general purpose, a-m (voice, tone and cw), receiving equipment which operates in the medium- and high-frequency bands, and is used as fixed station equipment for communication, monitoring, or similar applications at corps and higher levels.

This equipment consists essentially of a commercial (Hammarlund Super-Pro) communications-type radio receiver and includes accessories. It may be installed in a vehicle by means of appropriate shock mounts.

It uses a doublet antenna with balanced transmission line, a straight wire and ground, or equivalent antenna systems.

Can be operated from batteries, or from 95 to 230-v ac through appropriate power-modifying units (Power Supply Units RA-74, RA-84, or RA-94).

AN/FRR-TYPE		INSTRUCTION LITERATURE: TM 11-866
BC-794	:SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT:Unclassified
RADIO RECEIVER		USING SERVICE : Army
		DATE OF THIS SHEET : 11 Jan 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
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(Equipment consists only of a single major operating component)

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Fixed radio stations at corps or higher headquarters, Army Air Force squadrons.

INSTALLATION: Ground, fixed station, or vehicular.

APPROXIMATE RANGE (IN MILES): Medium-long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; 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/VFC-1, -4;
AN/VRT-1; BC-191, -339, -401, -447, -610; MBS; MQ; OA-60A/FRT, -60B/FRT; RC-52;
SCR-177, -198, -193, -274, -281, -399, -499, -506, -536, -543, -595, -694; T-4/FRC,
-93/SR, -153/FRT, -159/FRT, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR;
TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBU; TBW; TBX; TBY; TCB; TCC; TCE; TCH; TCK; TCP;
TCS; TCZ; TDE; TDF; TDH; TDN; TDG; 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 in 5 bands.

Band 1: 1.25 - 2.5
Band 2: 2.5 - 5.0

Band 3: 5 - 10
Band 4: 10 - 20
Band 5: 20 - 40.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice, tone, cw.

POWER REQUIREMENTS: 180 w from Power Supply Unit RA-74: 95 - 260 v, 25/60 cyc, ac,
RA-84: 105 125 v, 50/60 cyc, ac, RA-94: 115 or 230 v, 50/60 cyc, ac; or one 6-v storage
battery, five 45-v B batteries, one 45-v C battery.

PHYSICAL CHARACTERISTICS

Radio Receiver BC-794 measures 24-1/8 x 20-1/2 x 15-1/8 inches. Packed for domestic shipment:
total weight 90 pounds, total volume 4.3 cu ft. Shipped in 1 package.