

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army, Navy, Air Force

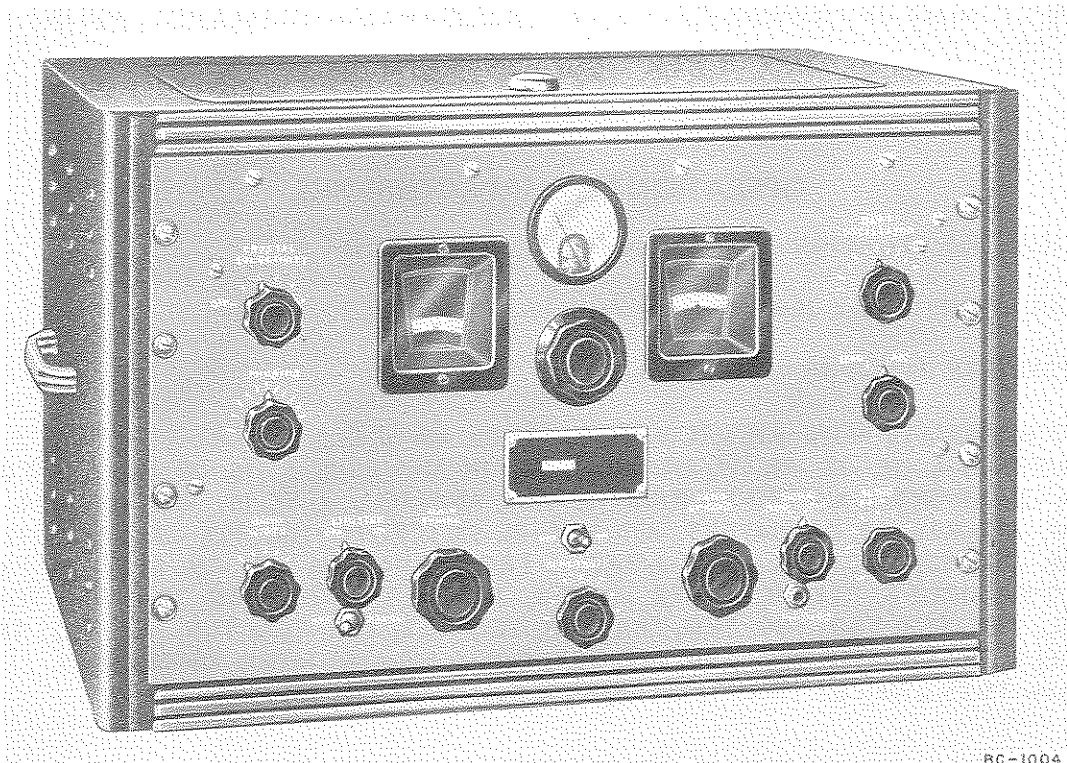
DATE OF THIS SHEET: 11 Jan 52

**AN/FRR-TYPE**

SERVICE TYPE NUMBER:

BC-1004

RADIO RECEIVER



Radio Receiver BC-1004 is a crystal-controlled, general purpose, a-m (voice, tone, and cw) receiving equipment used in fixed plant or vehicular applications for monitoring, intercept, or communication in the l-f and m-f ranges, at corps and higher headquarters.

This equipment consists essentially of a commercial (Hammarlund Super Pro) communications type receiver which can be removed from its cabinet and mounted on a standard rack panel. For vehicular use, a shock mount is available.

Operates with a conventional straight wire antenna and ground or a doublet type antenna system.

Can be operated on 95-230 v a-c power through use of appropriate Power Supply Units RA-74, -84, and -94 or from a 6-v storage battery and appropriate dry batteries.

<b>AN/FRR-TYPE</b>		INSTRUCTION LITERATURE: TM-866
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**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 station at corps or higher headquarters.

**INSTALLATION:** Ground, fixed station or vehicular.

**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, -19; 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; AN/VRC-1, -4; BC-191, -339, -365, -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, -5/FRC, -83/SR, -158/FRT, -159/FRT, -171/FR, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TAB; TAJ; TAQ; TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBU; TBW; TBX; TCB; TCC; TCE; TCH; TCK; TCP; TCS; TCZ; TDD; 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:** 0.54 - 1.16, 1.16 - 2.5, 5.0 - 10.0, 10.0 - 20.0.

**TYPE MODULATION:** Am.

**TYPE OF SIGNAL:** Voice, cw, tone.

**POWER REQUIREMENTS:** 180 w from Power Supply Unit RA-74; 95-260 v, 25/60 cyc  
 RA-84; 105-125 v, 50/60 cyc  
 RA-94; 115 or 230 v, 50/60 cyc

or

One 6-v storage battery, five 45-v B batteries, one 45-v C battery.

**PHYSICAL CHARACTERISTICS**

Radio Receiver BC-1004 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.