

STATUS: Commercial	AN/FRR-TYPE
CLASSIFICATION OF EQUIPMENT: Unclassified	
USING SERVICE: Air Force	
DATE OF THIS SHEET: 26 May 52	
	COMMERCIAL TYPE NO: HAMMARLUND SP-600-JX
	RADIO RECEIVER



HAMMARLUND SP-600-JX

Radio Receiver Hammarlund SP-600-JX is a general purpose, fixed ground, a-m (voice, cw, and mcw) equipment operating signals in part of the m-f and v-h-f bands, and all of the h-f band. It is a single conversion type superheterodyne, from 0.54 to 7.4 mc; a double conversion type from 7.4 to 54.0 mc, and has a high degree of sensitivity and selectivity. The high frequency oscillator is designed for crystal control on any six-preset channels.

The intermediate frequency amplifier provides 455 kc output from a cathode follower to a connection on the rear skirt of the chassis, which may be used for dual diversity reception.

The input impedance of the antenna terminals is designed to match a 100-ohm balanced transmission line. Although the frequency of the oscillator is not crystal-controlled (except on the preset channels listed above) it has good frequency stability and will function for long periods with a minimum of monitoring.

Also has a noise limiter for reduction of pulse type interference. The receiver output is 600 ohms for operation into telephone lines, or a loudspeaker.

AN/FRR-TYPE		INSTRUCTION LITERATURE: Hammarlund Instruction Manual
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MAJOR COMPONENTS

QUANT NAME OF COMPONENT DIMENSIONS (IN) INSTALLED WEIGHT (LBS)

(Equipment consists only of a single major operating component.)

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Issued on any organizational level as project material in accordance with AFR 100-17.

INSTALLATION: Ground operated for mounting in standard 19-inch relay rack occupying 10-1/2-inch panel space.

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, -10; AN/VRC-1, -4; AN/VRT-1; 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; TBY; 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 - 54 in 6 bands.

Band 1: 0.54 - 1.35

Band 3: 3.45 - 7.4

Band 5: 14.8 - 29.7

Band 2: 1.35 - 3.45

Band 4: 7.40 - 14.8

Band 6: 29.7 - 54.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice, cw, mcw, and icw.

POWER OUTPUT: 2.5 w.

POWER REQUIREMENTS: 130 w, 95-130/190-260 v, 50/60 cye, 1 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Receiver Hammarlund SP-600-JX measures 21-3/8 x 12-3/4 x 17-1/8 inches, net weight 87.5 pounds, volume 3 cu ft. Packed for domestic or export shipment: total weight 95 pounds, total volume 3.5 cu ft. Shipped in 1 package.