

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

DATE OF THIS SHEET: 14 May 52

AN/URR-23

RADIO RECEIVING SET



Radio Receiving Set AN/URR-23 is an a-m (cw, mcw, and voice) equipment designed for general purpose communication applications which require the highest order of stability and dial accuracy. It is suitable for a-m and c-w reception or for presetting at a specific frequency without repeated search or frequency readjustment.

This set consists essentially of a commercial (Collins Model 51J-3) radio communications type receiver.

It tunes with normal setting error and drift of less than 1 kc at any frequency within its range.

The fundamental or harmonic output of the frequency oscillator is controlled by one of 10 quartz crystals selected by the band-change control.

A high-impedance whip type or single-ended antenna is recommended for use with this equipment.

AN/URR-23	INSTRUCTION LITERATURE: Not Available
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver R-381/URR-23	10-1/2 x 19 x 13	Not Available
1	Dynamic Loudspeaker LS-175/U	10-9/16 x 15 x 8-7/8	" "

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Shipborne, ground.

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/YRC-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: 0.5- 30.5, in 30 bands 1 mc wide.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, mcw, voice.

POWER OUTPUT: 1.5 w at 1,000 cyc with less than 15% distortion.

POWER REQUIREMENTS: 85 w, 115 v, 45/70 cyc, 1 phase or 85 w, 230 v, 45/70 cyc, 1 phase.

PHYSICAL CHARACTERISTICS

Radio Receiving Set AN/URR-23 measures 12-1/4 x 21-1/8 x 13-7/8 inches.