

STATUS: Substitute Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

DATE OF THIS SHEET: 4 Apr 52

AN/URR-TYPE

SERVICE TYPE NUMBER:

RBS, RBS-1

RADIO RECEIVING EQUIPMENT



Radio Receiving Equipments RBS and RBS-1 are general purpose receivers designed for headset or loudspeaker reception of radiotelegraph or radiotelephone signals. Radiations from the oscillator stage are kept below safety requirements. They are ruggedly constructed, enclosed in a splashproof cabinet, and equipped with a special rack for wall mounting.

RBS and RBS-1 are identical. Each equipment includes a mounting rack that accommodates the receiver and power unit.

Two adapters are supplied for use with a coaxial antenna lead-in cable.

A receiving antenna and a headset or loudspeaker are required but not supplied.

AN/URR-TYPE		INSTRUCTION LITERATURE: NavShips 900,324
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver CCT-46217 (with cabinet)	20-1/2 x 16-7/8 x 11-1/2	70
1	Mounting Rack CCT-10227	19 x 17-3/4 x 11-3/4	40
1	Rectifier Power-Amplifier Unit CCT-20235, -20235A	10-3/4 x 14 x 11	51

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Shipborne, ground.

APPROXIMATE RANGE (IN MILES): Medium.

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; AN/VRC-1, -4; BC-191, -339, -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; TBK; TBL; TBM; TBN; TBO; TBU; TBW; TBX; 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: 2 - 20, in 4 bands.

Band 1: 2.0 - 3.6

Band 3: 6.5 - 11.4

Band 2: 3.6 - 6.5

Band 4: 11.4 - 20.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, mcw, voice.

POWER OUTPUT: 8 w into 600-ohm load for loudspeaker operation.
150 mw into 600-ohm load for headset operation.

POWER REQUIREMENTS: 120 w, 115 v, 50/60 cyc, 1 phase ac.

PHYSICAL CHARACTERISTICS

Radio Receiving Equipment RBS or RBS-1 measures 48 x 19-3/4 x 13 inches, net weight 242 pounds, volume 6.1 cu ft. Packed for domestic shipment: total weight 360 pounds, total volume 19.5 cu ft. Shipped in 1 package.