

STATUS: Substitute Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Navy
DATE OF THIS SHEET: 4 Apr 52

AN/URR-TYPE

SERVICE TYPE NUMBER: RBS-2
RADIO RECEIVING EQUIPMENT



Radio Receiving Equipment RBS-2 is a general purpose receiver provided with a combination rectifier power-amplifier unit. It is designed for headset or loudspeaker reception of radiotelegraph or radio-telephone signals. Radiations from the oscillator stage are kept below safety requirements.

RBS-2 is similar to RBS and RBS-1 except for type of installation.

The receiver and power units are provided with shock mounts; mounting plates are used for table installation. Three special 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-A	17 x 14-1/2 x 10	43
1	Rectifier Power-Amplifier Unit CCT-20235-B	10-3/4 x 16 x 11-1/4	56

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.

PHYSICAL CHARACTERISTICS

Radio Receiving Equipment RBS-2 measures 28 x 16 x 25 inches, net weight 179 pounds, volume 6 cu ft. Packed for domestic shipment: total weight 301 pounds, total volume 11.2 cu ft. Shipped in 3 packages.