

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

AN/URR-TYPE

SERVICE TYPE NUMBER: RBG, RBG-1, -2
RADIO RECEIVING EQUIPMENT



Radio Receiving Equipments RBG-1, and -2 are highly sensitive and selective general purpose receivers of radiotelephone or radiotelegraph signals. Crystal selectivity is provided for reception of traffic under adverse conditions.

All three of these models have band-spread tuning over the following 4 h-f bands: 4.0 to 4.60 mc, 8.0 to 9.60 mc, 12.0 to 13.60 mc, and 15.0 to 18.0 mc.

A single wire or a 500-ohm, balanced feed-line antenna is required but not supplied. A phone jack output is provided on the front panel but a headset is not supplied.

RBG and RBG-2 are designed for operation from a 50/60 cyc a-c source. RBG-1 is designed for 25- cyc operation.

AN/URR-TYPE		INSTRUCTION LITERATURE: NavShips 900,004
RBG, RBG-1, -2	:SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT:Unclassified
RADIO RECEIVING EQUIPMENT		USING SERVICE : Navy DATE OF THIS SHEET : 4 Apr 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver CHC-46140 (50/60 cyc)	12-3/16 x 18-15/16 x 14-11/16	62
	or Radio Receiver CHC-46163 (25 cyc)	12-3/16 x 18-15/16 x 14-11/16	67
1	Loudspeaker CHC-49154	9-3/8 x 10-5/16 x 7-5/16	12

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/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 - 31.0, in 6 bands.

Band 1: 0.54 — 1.32	Band 4: 5.7 — 10.0
Band 2: 1.32 — 3.2	Band 5: 10.0 — 18.0
Band 3: 3.2 — 5.7	Band 6: 18.0 — 31.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, icw, mcw, voice.

POWER OUTPUT: 10 mw into 600-ohm load for headset operation.
2 w into 5,000-ohm load for loudspeaker operation.

POWER REQUIREMENTS: 95 w, 110-120 v, 50/60 cyc, 1 phase.
95 w, 110-120 v, 25 cyc, 1 phase.

PHYSICAL CHARACTERISTICS

Radio Receiving Equipment RBG, -1, -2 measures 21-9/16 x 18-15/16 x 14-11/16 inches, net weight 87 pounds, volume 3.2 cu ft.