

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

DATE OF THIS SHEET: 4 Apr 52

AN/URR-TYPE

SERVICE TYPE NUMBER:

RBL-5,-6

RADIO RECEIVING EQUIPMENT



Radio Receiving Equipments RBL-5 and -6 are general purpose radiotelegraph receivers which operate in the frequency range 0.015 to 0.6 mc. Voice reception is possible only above 0.2 mc. The level of r-f radiations is kept below 400 micromicrowatts, permitting their use within combat areas.

These two receivers are similar. The RBL-5 is supplied with a mounting base and the RBL-6 is inclosed in a large metal cabinet with shock mounts and a drawer-type chassis.

They can be operated either from a source of a-c power or from batteries. A special battery cable and a-c jumper-plug receptacle are provided.

A coaxial antenna input receptacle permits the use of an unbalanced feed line or a single wire antenna.

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

AN/URR-TYPE		INSTRUCTION LITERATURE: NavShips 900, 350
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver CNA-46161-B* or CNA-46235**	10-21/32 x 17-3/16 x 16-5/8 12-7/16 x 19 x 17-7/8	80.5 104.0
*1	Mounting Base CNA-10124	2-9/16 x 17-21/32 x 16-5/16	5.5

* Supplied with RBL-5

** Supplied with RBL-6

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Shipborne, ground.

APPROXIMATE RANGE (IN MILES): Medium

CAN COMMUNICATE WITH: AN/ARC-8; AN/ART-13; AN/CRT-3, -5; AN/FRT-4, -10, -19; AN/GRT-2;
AN/MRC-20; AN/SRC-3; AN/SRT-1, -3; AN/TRQ-1; AN/URT-2, -3, -4; BC-191, -329, -365; SCR-177;
T-5/FRC, -171/FR; TAB; TAJ; TAQ; TBL; TBN; TBU; TBW; TCE; TCG; TCY; TCZ; TDD; TDE;
TDK; Marconi TH-41-B; Wilcox 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.015 - 0.600, in six bands.

Band A: 0.015 — 0.025	Band D: 0.080 — 0.155
Band B: 0.025 — 0.045	Band E: 0.155 — 0.310
Band C: 0.045 — 0.080	Band F: 0.310 — 0.600.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, icw, mcw, voice (above 0.2 mc).

POWER OUTPUT: 300 mw.

POWER REQUIREMENTS: 46 w, 115 v, 50/60 cyc, 1 phase.
Battery operation: 14 w, 6.3 v and 4 w, 135 v.

PHYSICAL CHARACTERISTICS

Radio Receiving Equipment RBL-5, RBL-6 measures 12-13/32 x 17-21/32 x 18-1/16 inches, net weight 169 pounds, volume 5.1 cu ft. Packed for domestic shipment: total weight 255 pounds, total volume 8.75 cu ft. Shipped in 1 package.