

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

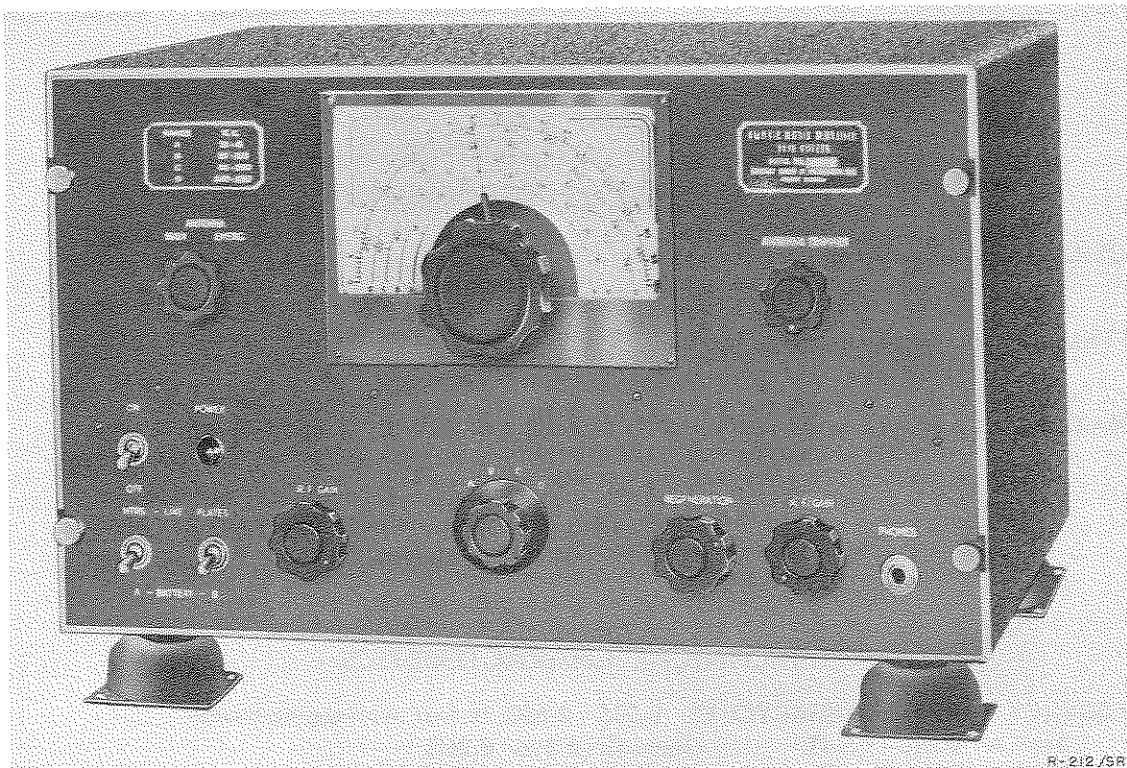
DATE OF THIS SHEET: 8 Jan 52

AN/URR-TYPE

AN/COMP TYPE NUMBER:

R-212/SR

RADIO RECEIVER



Radio Receiver R-212/SR is a tuned-radio-frequency, a-m (cw, icw, and mcw) radiotelegraph receiving equipment used in shipborne and fixed station applications.

This equipment consists of a commercial (Federal 128 AY) receiver having a regenerative detector. It can be operated with a single wire-and-ground antenna system.

Operates on ac or dc or from storage or dry batteries and has a power-selection switch by means of which the power source can be selected.

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INSTRUCTION LITERATURE: TM 11-868

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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
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(Equipment consists only of a single major operating component).

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard.

INSTALLATION: Shipborne, fixed station.

APPROXIMATE RANGE (IN MILES): Long.

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; TDE; TDK; TDO; Marconi TH-41-B; Wilcox 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.015 - 0.650, in four overlapping bands.

Band A: 0.015 - 0.041.

Band C: 0.095 - 0.260.

Band B: 0.037 - 0.105.

Band D: 0.240 - 0.650.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw and mcw.

POWER OUTPUT: 0.10 w with low distortion; 0.15 w without regard to distortion.

POWER REQUIREMENTS.	A-c line	D-c line plus A battery		Batteries	
		line	battery	A	B
	36 w				
	115 v	0.17 amp	1.9 amp	1.9 amp	7-12 ma
	60 cyc	115 v	6.3 v	6.3 v	90

PHYSICAL CHARACTERISTICS

Radio Receiver R-212/SR weighs 43 pounds net, volume 1.5 cu ft.