

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

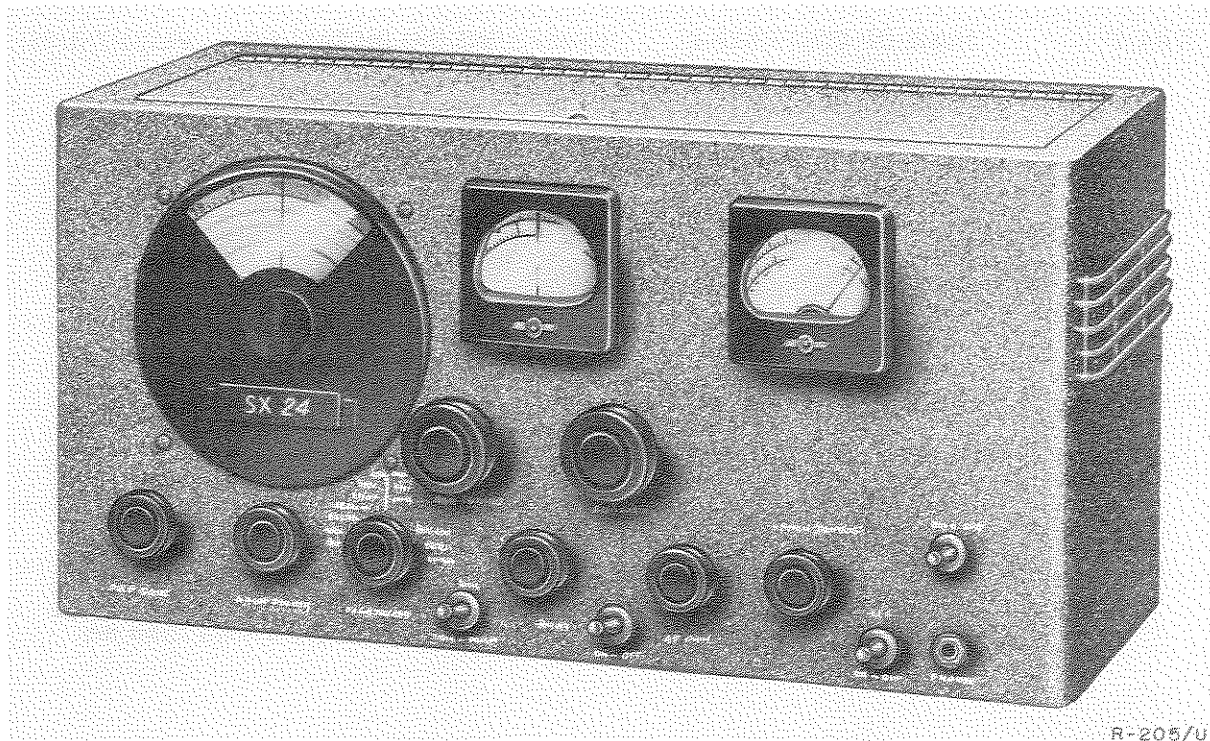
DATE OF THIS SHEET: 22 Jan 52

**AN/URR-TYPE**

AN/COMP TYPE NUMBER:

R-205/U

RADIO RECEIVER



Radio Receiver R-205/U is a lightweight, transportable, radio receiving equipment used in a-m (voice, cw and mcw) communication in the medium- high- and v-h-f bands. It is used as fixed station equipment.

This equipment is a commercial (Hallicrafters SX-24) communications-type, table model, receiver which operates in four frequency bands. It is designed to maintain frequency stability over a wide range of line voltage, and ambient temperature and humidity conditions. It is provided with means for break-in relay operation, has panel controls for selection of, or adjustments for, r-f gain, crystal phasing, audio gain, band spread, selectivity, station selection, and similar operating features, and includes a beat-frequency oscillator.

This set uses a conventional straight wire antenna but can be operated in conjunction with more elaborate arrays.

It is operated from a 70-w source of 110-v ac or from a 6-v storage battery through appropriate power modifying equipment.

<b>AN/URR-TYPE</b>		INSTRUCTION LITERATURE: None
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### MAJOR COMPONENTS

QUANT            NAME OF COMPONENT            DIMENSIONS (IN) INSTALLED            WEIGHT (LBS)

(Equipment consists only of a single major operating component).

### OPERATIONAL CHARACTERISTICS

TACTICAL USE: Fixed plant use.

INSTALLATION: Ground, fixed station.

APPROXIMATE RANGE (IN MILES): Medium - long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -9, -21, -25; AN/ART-13; AN/CRT-3; AN/FRC-10; AN/FRT-5, -6, -15, -17, -19, -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; M0; 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; -89/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 - 43.5 in 4 bands.

Band 1: 0.54 - 1.73

Band 3: 5.0 - 15.7

Band 2: 1.7 - 5.1

Band 4: 15.2 - 43.5.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice, cw, mcw.

POWER REQUIREMENTS: 70 w, 110 v, 50/60 cyc ac

or

6-v dc (supplied by a No. 301 Electronic Converter).

### PHYSICAL CHARACTERISTICS

Radio Receiver R-205/U measures 19-1/2 x 9-1/2 x 10-1/8 inches, net weight 56 pounds, volume 1.16 cu ft.