

STATUS: Standard CLASSIFICATION OF EQUIPMENT: Unclassified USING SERVICE: Army DATE OF THIS SHEET: 30 Jan 52	<b>AN/FRR-TYPE</b>	
	AN/COMP TYPE NUMBER:	R-208/FR
		RADIO RECEIVER



Radio Receiver R-208/FR is a crystal-controlled, a-m (cw only) receiving equipment used for long distance point-to-point or ground-to-air applications at fixed plant installations.

This equipment consists of a single rack-mounted component which may be installed with any combination of eight receivers (one or more of which may be Radio Receiver R-209/FR) on a standard relay rack. It can be preset by selection of appropriate interchangeable coils to operate in frequency channels covered by four sets of plug-in coils for each band.

When installed in combinations of several receivers, each receiver can be controlled independently, either locally or from a remote operating point, through use of Remote Control Console CY-161/FRC.

Sensitivity, frequency selection, beat-frequency oscillator, and noise controls are included. It uses a doublet, rhombic, or other suitable type of antenna system.

Operates on 110 v, 60 cyc ac.

<b>AN/FRR-TYPE</b>		INSTRUCTION LITERATURE: TM 11-853
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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:** Fixed plant applications.

**INSTALLATION:** Ground, permanent.

**APPROXIMATE RANGE (IN MILES):** Medium to 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; AN/GRC-9, -13, -26; AN/MRC-2, -6, -16, -20, -22; AN/FRC-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:** 1.95 - 16.5, by use of four sets of r-f coils.

Set 1: 1.95 - 3.6.

Set 3: 5.6 - 10.0.

Set 2: 3.50 - 6.1.

Set 4: 9.4 - 16.5.

**TYPE MODULATION:** Am.

**TYPE OF SIGNAL:** Cw.

**POWER REQUIREMENTS:** 70 w, 110 v, 60 cyc ac.

### PHYSICAL CHARACTERISTICS

Radio Receiver R-208/FR measures 3-15/32 x 12-1/2 x 19 inches, net weight 20.6 pounds, volume 0.477 cu ft. Packed for domestic shipment: total weight 25 pounds, total volume 0.95 cu ft. Packed for export shipment: total weight 40 pounds, total volume 2.5 cu ft. Shipped in 1 package both domestic and export.