

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

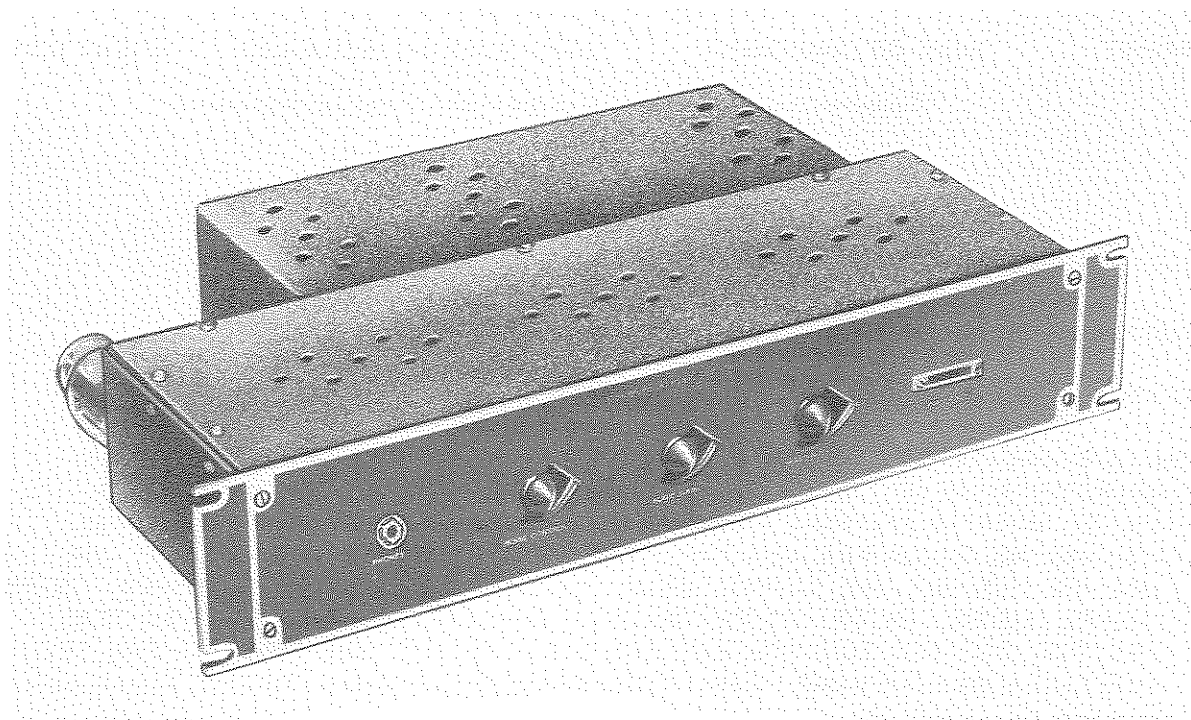
DATE OF THIS SHEET: 30 Jan 52

AN/FRR-TYPE

AN/COMP TYPE NUMBER:

R-209/FR

RADIO RECEIVER



R-209/FR

Radio Receiver R-209/FR is a crystal-controlled, superheterodyne a-m (voice), m-f and h-f receiving equipment designed for use in point-to-point or ground-to-air communication and similar applications at fixed plant installations.

This equipment consists of a single, panel-mounted radio receiver having three panel controls and designed for assembly to a standard relay rack which can accommodate a total of eight such receivers. It may be preset by means of four sets of interchangeable r-f coils.

Can be mounted with seven other identical receivers, or in any combination of Radio Receivers R-208/FR and R-209/FR, and installed in a single floor type cabinet to form a single operating bay of equipment.

Each receiver so assembled can be individually controlled locally or, by means of Remote Control Console CY-161/FRC, from a remote operating point.

Antenna systems used by this equipment may be of the long wire, doublet, rhombic, or other suitable type.

Is powered by 70 w of 110 v ac.

AN/FRR-TYPE		INSTRUCTION LITERATURE: TM 11-853
R-209/FR :AN/COMP TYPE NUMBER		CLASSIFICATION OF EQUIPMENT:Unclassified
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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.

INSTALLATION: Ground, fixed station.

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/PRC-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: Voice.

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

PHYSICAL CHARACTERISTICS

Radio Receiver R-209/FR measures 3-15/32 x 12-1/4 x 19 inches, net weight 20 pounds, volume 0.467 cu ft. Packed for domestic shipment: total weight 25 pounds, total volume 0.95 cu ft. Packed for export shipment: total weight 50 pounds, total volume 2.39 cu ft. Shipped in 1 package both domestic and export.