

STATUS: Standard

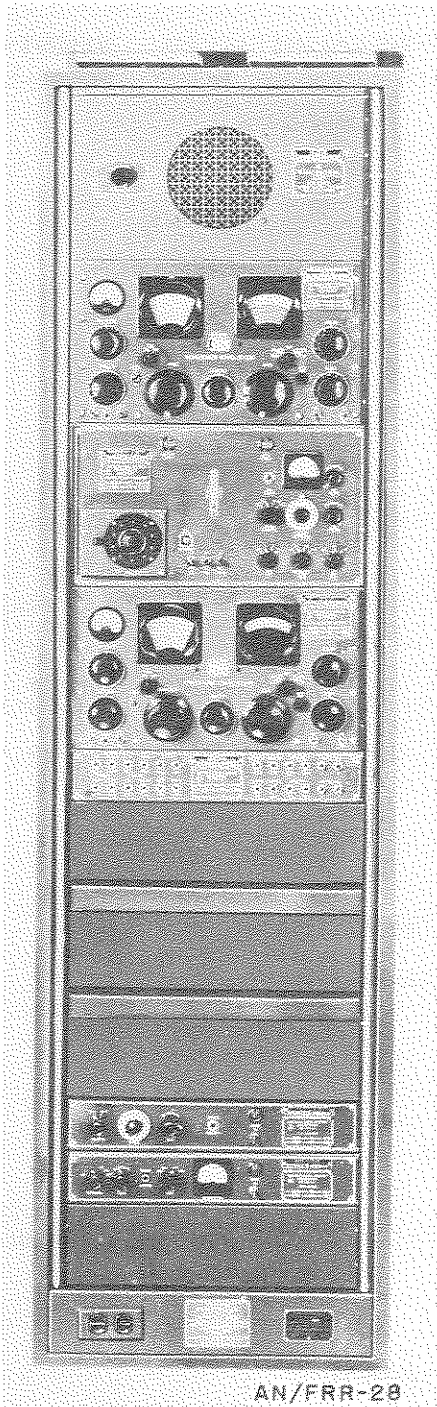
CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

DATE OF THIS SHEET: 9 Jun 52

**AN/FRR-28**

RECEIVING SET, RADIO



Receiving Set, Radio AN/FRR-28 is an a-m (cw, mcw, voice, frequency shift keying) receiver for diversity radio reception with a frequency-shift converter-comparator group to provide two-channel space or frequency-diversity reception, of radio signals.

This equipment employs two commercial standard (Hammarlund Model SP-600-MX) receivers modified for diversity operation.

Continuous variable tuning or crystal control is provided.

These receivers feature beat-frequency oscillator, and noise-limiter circuits, and have provision for visual indication of the output.

**AN/FRR-28**

INSTRUCTION LITERATURE: Not Available

CLASSIFICATION OF EQUIPMENT: Unclassified

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RECEIVING SET, RADIO

**MAJOR COMPONENTS**

| QUANT | NAME OF COMPONENT                           | DIMENSIONS (IN) INSTALLED | WEIGHT (LBS)  |
|-------|---------------------------------------------|---------------------------|---------------|
| 2     | Receiver, Radio R-450/FRR-28                | Not Available             | Not Available |
| 1     | Oscillator, Radio Frequency 0-165/UR        | " "                       | " "           |
| 1     | Amplifier-Detector AM-615/UR                | " "                       | " "           |
| 1     | Keyer KY-79/UR                              | " "                       | " "           |
| 1     | Panel, Patching, Communication<br>SB-224/UR | " "                       | " "           |
| 1     | Loudspeaker, Magnetic LS-137/UR             | " "                       | " "           |

**OPERATIONAL CHARACTERISTICS**

TACTICAL USE: Shore stations.

INSTALLATION: Ground, fixed.

APPROXIMATE RANGE (IN MILES): 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: MQ; 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, -83/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 - 54.0 in 6 bands.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, mcw, voice, frequency shift keying.

POWER REQUIREMENTS: 400 w, 95-105-117-130/190-210-234-260 v, 50/60 cyc, 1 phase, ac.

**PHYSICAL CHARACTERISTICS**

Receiving Set, Radio AN/FRR-28 measures 84 x 22-3/8 x 24 inches.