

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

DATE OF THIS SHEET: 8 Jan 52

AN/FRR-12

RADIO RECEIVING SET



AN/FRR-12

Radio Receiving Set AN/FRR-12 is a dual-diversity radio receiving station equipment used for the reception of frequency-shift radioteletype and a-m (voice, tone, cw, or mcw) signals in the medium-high- and very-high-frequency bands in point-to-point, and fixed-station applications at division and higher headquarters.

This equipment consists of two rack- and panel-mounted receivers and associated power supply equipment inclosed as a single unit in a steel floor-type cabinet.

Receivers have noise-limiter, bandspread, phasing, volume, beat-frequency oscillator controls, and are crystal-controlled.

| | |
|---------------------|---|
| AN/FRR-12 | INSTRUCTION LITERATURE: TM 11-896 |
| | CLASSIFICATION OF EQUIPMENT: Unclassified |
| | USING SERVICE: Army |
| RADIO RECEIVING SET | DATE OF THIS SHEET: 8 Jan 52 |

MAJOR COMPONENTS

| QUANT | NAME OF COMPONENT | DIMENSIONS (IN) INSTALLED | WEIGHT (LBS) |
|-------|---------------------------|---------------------------|--------------|
| 1 | Rack MT-660/FRR-12 | 76 x 19 x 22 | 230.0 |
| 2 | Radio Receiver R-270/FRR | 10-1/2 x 16-3/4 x 19 | 60.5 |
| 2 | Power Supply Unit RA-74-D | 10-1/2 x 10-1/4 x 19 | 60.5 |

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Division and higher headquarters.

INSTALLATION: Ground, fixed station.

APPROXIMATE RANGE (IN MILES): 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, -10; AN/VRC-1, -4; AN/VRT-1; BC-191, -339, -401, -447,
 -610; MBS; MQ; OA-60A/FRT, -60B/FRT; RC-52; SCR-177, -189, -193, -274, -281, -399, -499, -506,
 -536, -543, -585, -694; T-4/FRC, -93/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; TBY; 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: 1.25 - 40.00 in 5 bands.

Band 1: 1.25 - 2.50

Band 4: 10.00 - 20.00

Band 2: 2.50 - 5.00

Band 5: 20.00 - 40.00.

Band 3: 5.00 - 10.00

TYPE MODULATION: Am.

TYPE OF SIGNAL: Am: voice, cw, icw, mcw.

Frequency shift teletypewriter.

POWER REQUIREMENTS: 400 w, 95-130/190-260 v, 25/60 cyc, ac.

PHYSICAL CHARACTERISTICS

Radio Receiving Set AN/FRR-12 weighs 472 pounds net, volume 17.5 cu ft. Packed for export shipment: total weight 934 pounds, total volume 34.7 cu ft, 1.12 ship tons. Shipped in 5 packages.