

STATUS: Standard	AN/FRT-18
CLASSIFICATION OF EQUIPMENT:Unclassified	
USING SERVICE: Navy	
DATE OF THIS SHEET: 12 Jun 52	
	RADIO TRANSMITTING SET

NO PHOTOGRAPH AVAILABLE

Radio Transmitting Set AN/FRT-18 is a general purpose, medium-power, am (cw, mcw, voice, frequency shift keying, facsimile) transmitter designed for shore-station installation.

It consists of Radio Transmitting Set AN/FRT-17 plus an r-f amplifier bay. Frequency control is by means of a master or crystal oscillator. This equipment replaces Radio Transmitting Equipment TDH.

AN/FRT-18	INSTRUCTION LITERATURE: Not Available
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	RF Unit, Collins Type 507A-1A	Not Available	Not Available
1	RF Oscillator 0-91/FRT-5	10-15/32 x 13 x 19	" "
1	Frequency Shift Keyer KY-45/FRT-5	13 x 19 x 10-15/32	50
1	Modulator, Collins Type 509A-1	Not Available	Not Available
1 each	Power Unit, Collins Type 506A-1, 508A-1	" "	" "
1	RF Amplifier	" "	" "

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations.

INSTALLATION: Ground, fixed.

APPROXIMATE RANGE (IN MILES): Medium.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -7, -12, -29, -32; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRR-3, -8, -12, -13; AN/TRQ-1; AN/URR-10, -12, -22, -23; AN/VRC-1, -4; AN/VRR-2; BC-312, -342, -348, -779, -787, -794, -1004; MBS; MQ; OA-58/FRC, -59/FRC; R-62/PR, -80/PR, -96/SR, -129/U, -137/GR, -203/SR, -205/U, -206/PR, -208/FR, -209/FR, -210/U, -211/U, -213/SR, -274/FRR, -320/FRC, -388/URR; RAL; RAO; RAS; RBB; RBC; RBG; RBH; RBK; RBM; RBO; RBP; RBS; RCF; RCG; RCH; RDE; RDM; REA; SCR-177, -188, -193, -244, -274, -281, -399, -499, -506, -536, -543, -585, -593, -607, -694, -704; TBO; TBX; TBY; TCH; TCP; TCS; AR-98 (RCA); Collins 19S-4 (AF Model); Collins 75A-2; Fisher TS 25-3; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 2 - 30.

TYPE MODULATION: Am.

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

POWER OUTPUT: 3 kw.

POWER REQUIREMENTS: 230 v, 50/60 cyc, 3 phase, ac.

PHYSICAL CHARACTERISTICS

Information on Radio Transmitting Set AN/FRT-18 not available.