

STATUS: Standard

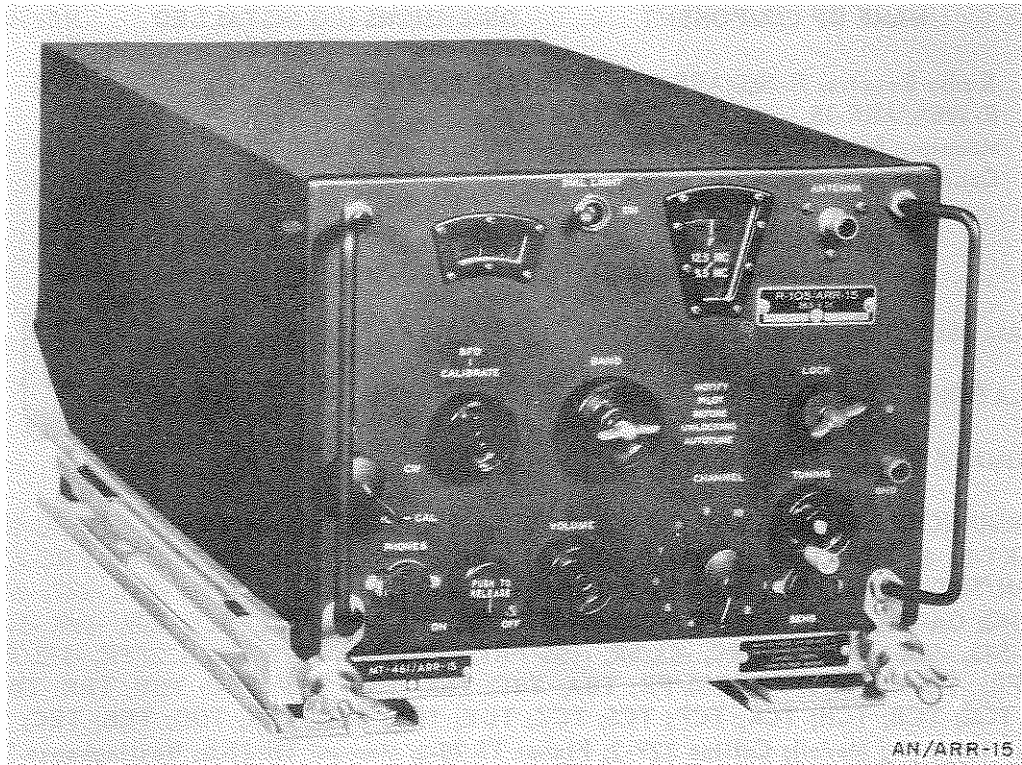
CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

DATE OF THIS SHEET: 29 May 52

AN/ARR-15

RADIO SET



Radio Sets AN/ARR-15 and -15A are general purpose, a-m (voice, cw, and mcw) receivers which provide reliable, preset, multichannel, pilot- or radio-operator-controlled, h-f reception.

This equipment may be controlled from the receiver panel or from a remote position.

An autotune system permits the selecting of any one of 10 channels and may be adjusted to select any 10 frequencies within the range 1.5 to 18.5 mc.

The AN/ARR-15 and -15A are functionally similar. The AN/ARR-15A incorporates an improved autotune unit and minor component changes. The AN/ARR-15 is essentially the Collins Model 51H-1. The AN/ARR-15A is the Collins Model 51H-4.

AN/ARR-15	INSTRUCTION LITERATURE: AN 16-30ARR15-3
	CLASSIFICATION OF EQUIPMENT:Unclassified
RADIO SET	USING SERVICE : Navy
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver R-105/ARR-15 or R-105A/ARR-15	7-7/8 x 10-3/8 x 21-9/16	39.5
1	Mounting Base MT-461/ARR-15	3-15/16 x 10-7/8 x 23-27/32	3.3
1	Control Box C-428/ARR-15	Not available	1.5

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Aircraft.

INSTALLATION: Airborne.

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; 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; 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: 1.5 - 18.5 on any of the 10 preset channels.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, mcw, voice.

POWER OUTPUT: 500-mw audio output.

POWER REQUIREMENTS: 95 w, 26.5 v (\pm 10%)dc.

PHYSICAL CHARACTERISTICS

Radio Set AN/ARR-15 or -15A measures 9-3/8 x 10-7/8 x 23-27/32 inches, net weight 44.3 pounds.