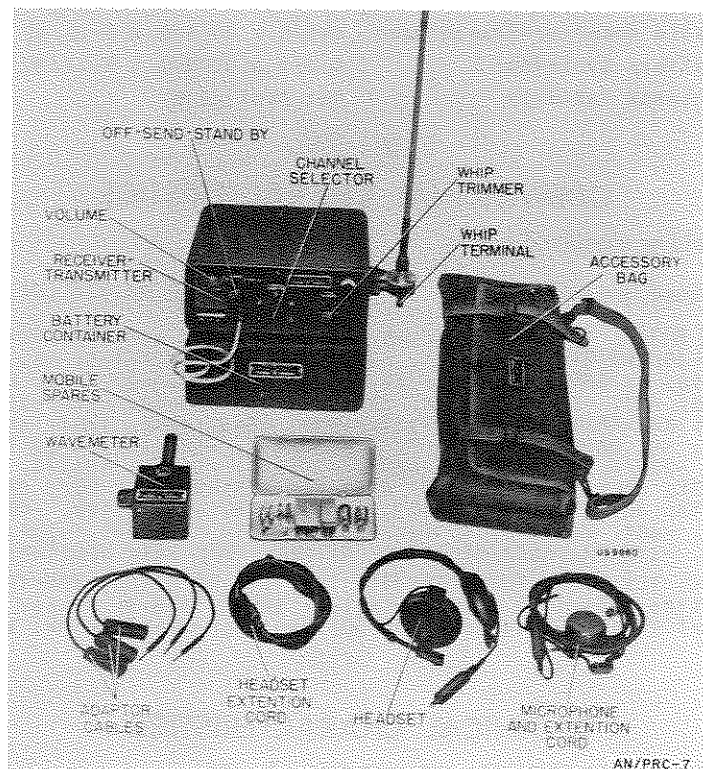


<p>STATUS: Standard CLASSIFICATION OF EQUIPMENT: Restricted USING SERVICE: Navy DATE OF THIS SHEET: 9 May 52</p>	<p>AN/PRC-7</p> <hr/> <p>RADIO SET</p>
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Radio Set AN/PRC-7 is a portable, low-power, general purpose m-f/h-f transmitter-receiver which provides radiotelephone communication for amphibious or field operations.

It has interchangeable plug-in intermediate frequency stages, and five preset crystal-controlled channels.

Button controlled relays are used for instantaneous switching from reception to transmission.

A 10-foot, 10-inch whip-type antenna is supplied which mounts directly on the equipment housing.

AN/PRC-7	INSTRUCTION LITERATURE: NavShips 91389
	CLASSIFICATION OF EQUIPMENT: Restricted
RADIO SET	USING SERVICE: Navy
	DATE OF THIS SHEET: 9 May 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver-Transmitter	4-3/8 x 10-1/8 x 9-27/32	9
1	Battery Container	4-3/8 x 10-1/8 x 9-27/32	3
1	Antenna Assembly	Not Available	Not Available

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Field or advanced bases.

INSTALLATION: Ground, portable.

APPROXIMATE RANGE (IN MILES): 1 mile.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/ART-13; AN/CRT-3; AN/FRC-10; AN/FRR-3, -4, -7, -12, -28, -32; AN/FRT-5, -6, -15, -17, -18; 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/SRT-4; AN/TRQ-1; AN/URR-10, -22, -23; AN/URT-2, -3, -4; AN/VRC-1, -4; AN/VRR-2; BC-191, -312, -339, -342, -348, -401, -447, -610, -779, -794, -1004; MBS; MQ; OA-58/FRC, -59/FRC, -60A/FRT, -60B/FRT; R-62/PR, -80/PR, -96/SR, -129/U, -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; RBM; RBO; RBP; RBS; RC-52; RCF; RCG; RCH; RDE; RDM; REA; SCR-177, -188, -193, -244, -274, -281, -399, -499, -506, -536, -543, -585, -593, -607, -694, -704; T-4/FRC, -83/SR, -158/FRT, -159/FRT, -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; AR-88 (RCA); Collins 18S-4 (AF Model); Collins 92V-2; 75A-2; Fisher TS 25-3; Hammarlund SP-600-JX; Marconi TH-41-B; National HRO-50; Westinghouse Type MW; Wilcox 96D; 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 2.0 - 12.0 in 4 bands.

Band 1: 2.0 - 3.12

Band 2: 3.12 - 4.9

Band 3: 4.9 - 7.61

Band 4: 7.61 - 12.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: Transmitter: 0.8 w.

Receiver: 75 mw (max) to headset.

POWER REQUIREMENTS: 10 w for 12 hours of continuous operation (at a ratio equivalent to 1/3 of the time transmitting to 2/3 of the time receiving). Supplied by: 6 Batteries BA-53, 1 Battery BA-54, and 2 Batteries BA-35.

PHYSICAL CHARACTERISTICS

Radio Set AN/PRC-7 measures 8-3/4 x 10-1/8 x 9-27/32 inches, net weight 24 pounds, volume 5.7 cu ft.