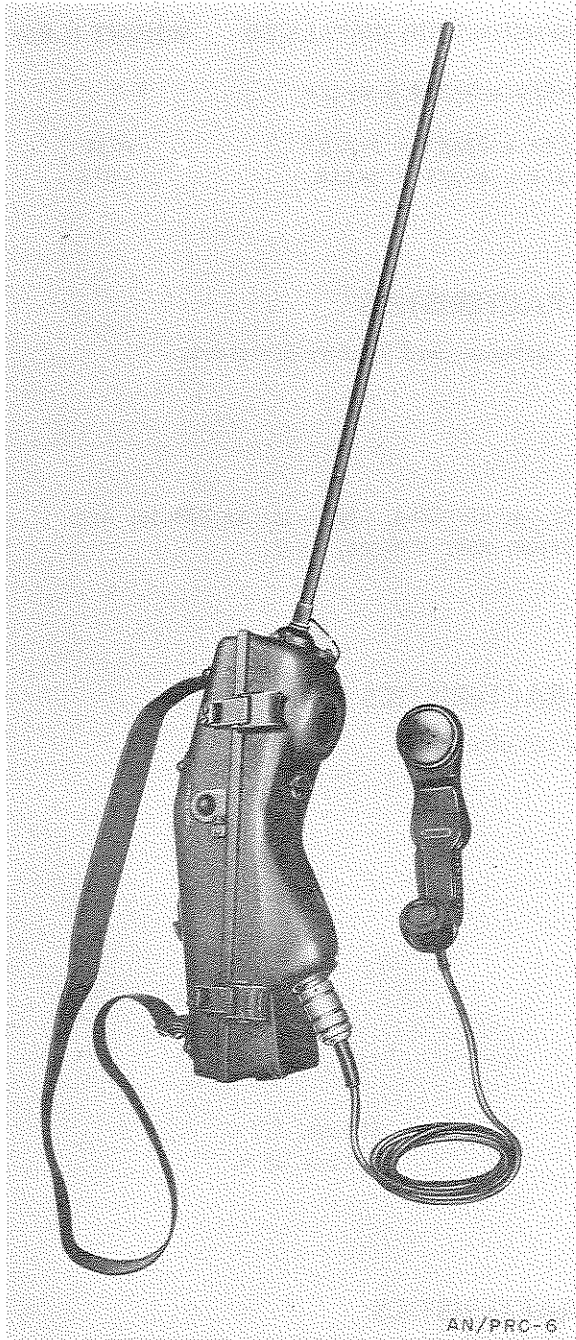


STATUS: Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Army, Navy
DATE OF THIS SHEET: 8 Jan 52

AN/PRC-6

RADIO SET



Radio Set AN/PRC-6 is the f-m version of the "handie-talkie" Radio Set SCR-536 and operates in a single, fixed-frequency channel selected by use of the appropriate crystal. This is low-power, short-range equipment which operates in the v-h-f range for line-of-sight communication by forward elements of armored, infantry, and artillery units.

This equipment consists of a light, self-contained receiver-transmitter having a built-in microphone and earphone, and provision for a loop antenna which is used for homing applications. Includes provision for connecting a conventional handset.

The normal antenna is a built-in spring-steel ribbon which extends from or retracts into the housing.

Operates from Battery BA-270/U (which is not supplied as part of this set) and includes the necessary crystal unit for the frequency in which the equipment is to operate.

AN/PRC-6	INSTRUCTION LITERATURE: TM 11-296, TM 11-4069
	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO SET	USING SERVICE : Army, Navy
	DATE OF THIS SHEET : 8 Jan 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Receiver-Transmitter, Radio RT-196/PRC-6	14-3/4 x 4-3/4 x 4-1/4	3.5
1	Crystal Unit CR-23/U	11/32 x 23/32 x 1-1/32	.031
1	Handset H-33C/PT	1-1/2 x 8-3/8 x 3-1/4	.875

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Company and battery level, armored, airborne, and infantry divisions.

INSTALLATION: Portable.

APPROXIMATE RANGE (IN MILES): 1.

CAN COMMUNICATE WITH: AN/GRC-3, -4, -5, -6, -7, -8; AN/PRC-6, -10, -16; AN/URR-10, -12;
AN/VRC-3, -7, -10, -22; AN/VRQ-3; BC-787; MN; R-137/GR; RBK; SCR-300, -607.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 47.0 - 55.4 (43 channels).

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: 0.25 w.

POWER REQUIREMENTS: Battery BA-270/U

Transmitter: 1.5 w (1 amp) 1.5 v.
0.63 w (14 ma) 45 v.
2.52 w (28 ma) 90 v.

Receiver: 440 ma, 1.5 v.
13 ma, 45 v.

PHYSICAL CHARACTERISTICS

Radio Set AN/PRC-6 weighs 6.5 pounds net, volume 0.2 cu ft. Packed for domestic shipment: total weight 6 pounds (without battery), total volume 0.5 cu ft. Packed for export shipment: total weight 7 pounds, total volume 0.7 cu ft. Shipped in 1 package both domestic and export.