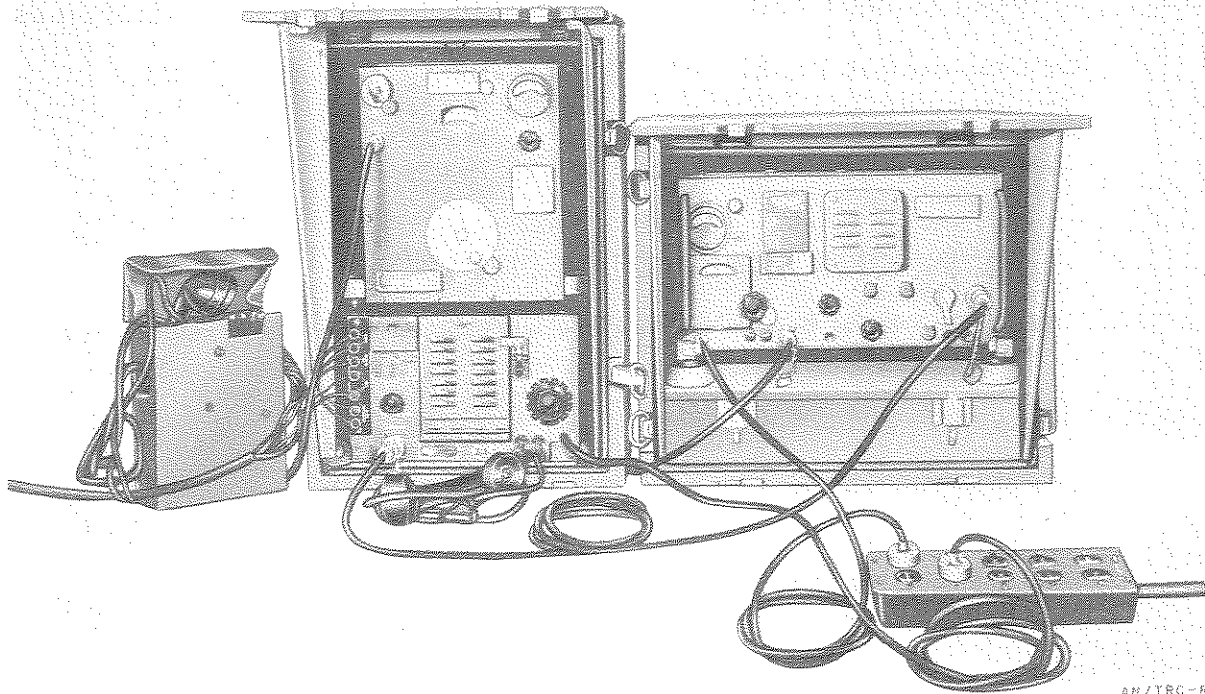


STATUS: Substitute Standard  
CLASSIFICATION OF EQUIPMENT: Unclassified  
USING SERVICE: Army  
DATE OF THIS SHEET: 8 Jan 52

**AN/TRC-8**

RADIO SET



AN/TRC-8

Radio Set AN/TRC-8 is a transportable, v-h-f, f-m, single-channel radio receiving and transmitting equipment used for point-to-point or radio relay applications at division or higher headquarters.

This equipment consists of a radio transmitter, a radio receiver, an antenna, and power accessories but does not include spare operating components. It is intended for use on an intermittent or pre-scheduled basis. It is designed for communication by voice signals and, in conjunction with additional equipment, for radioteletype applications.

For continuous operation, spare operating components are added (constituting Radio Terminal Set AN/TRC-11). For radio relay use, the same primary operating components and the necessary spares (constituting Radio Relay Set AN/TRC-12) are operated back-to-back at intermediate points of a system.

Operates from power supplied by its field power unit or an equivalent source.

<b>AN/TRC-8</b>	INSTRUCTION LITERATURE: TM 11-618
	CLASSIFICATION OF EQUIPMENT: Unclassified
	USING SERVICE : Army
RADIO SET	DATE OF THIS SHEET : 8 Jan 52

### MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver R-48/TRC-8	23 x 16 x 19	126
1	Radio Transmitter T-30/TRC-8	17-1/2 x 16 x 24-1/2	135
2	Antenna Assembly AS-52/TRC-8	33-1/2 x 14 x 24	110
1	Power Unit PE-75	26-1/2 x 19-1/2 x 36	330

### OPERATIONAL CHARACTERISTICS

**TACTICAL USE:** Radio relay at division or higher level and radio communication at company level.

**INSTALLATION:** Ground, field, transportable.

**APPROXIMATE RANGE (IN MILES):** Line of sight.

**CAN COMMUNICATE WITH:** AN/TRC-8, -11, -12; SCR-616.

### TECHNICAL CHARACTERISTICS

**FREQUENCY RANGE IN MEGACYCLES:** 230 — 250.

**TYPE MODULATION:** Fm.

**TYPE OF SIGNAL:** Voice, teletypewriter (with additional equipment).

**POWER OUTPUT:** Transmitter, 5 w.

**POWER REQUIREMENTS:** Receiver: 120 w, 115/230 v, 50/60 cyc ac.  
 Transmitter: 350 w, 115/230 v, 50/60 cyc ac.  
 Commercial power source or Power Unit PE-75, or equal.

### PHYSICAL CHARACTERISTICS

Radio Set AN/TRC-8 packed for domestic shipment: total weight 1,250 pounds, total volume 48 cu ft, 1.2 ship tons. Shipped in 9 packages.