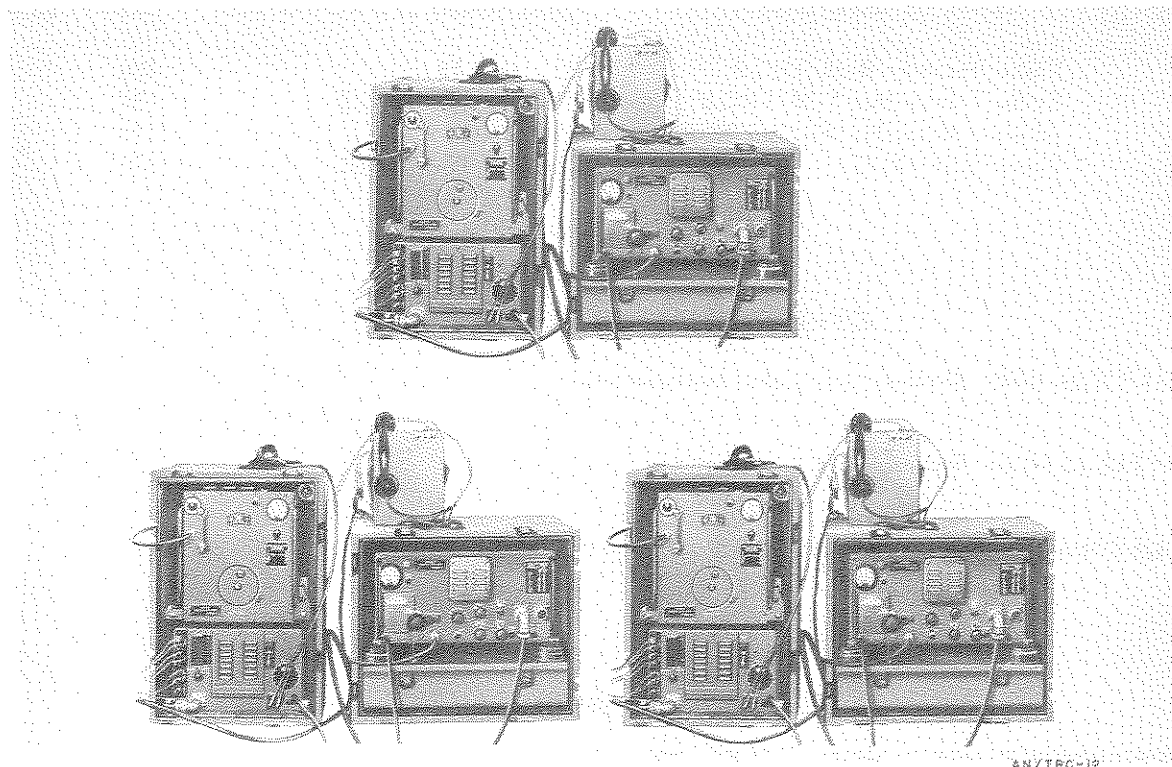


STATUS: Substitute Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Army, Air Force
DATE OF THIS SHEET: 8 Jan 52

AN/TRC-12

RADIO RELAY SET



Radio Relay Set AN/TRC-12 is a transportable, f-m (voice), v-h-f transmitting and receiving equipment used for single-channel, point-to-point communication or as a repeater station at intermediate points of a radio relay system serving division and higher headquarters.

This equipment consists essentially of four radio transmitters and four radio receivers (one of each being a spare), antenna components, and power equipment. It is designed to be used primarily on a continuous basis for half-duplex or full-duplex communication in a system terminated by Radio Set AN/TRC-8 or Radio Terminal Set AN/TRC-11 or as a single-channel half-duplex voice communication facility.

It is powered by its power supply and requires 115/230 v ac.

AN/TRC-12

INSTRUCTION LITERATURE: TM 11-618

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE : Army, Air Force

DATE OF THIS SHEET : 8 Jan 52

RADIO RELAY SET

MAJOR COMPONENTS

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

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Division and higher headquarters.

INSTALLATION: Ground, field, transportable.

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.

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 Relay Set AN/TRC-12 packed for domestic shipment: total weight 3,150 pounds, total volume 101 cu ft, 2.53 ship tons. Shipped in 18 packages.