

STATUS: Standard

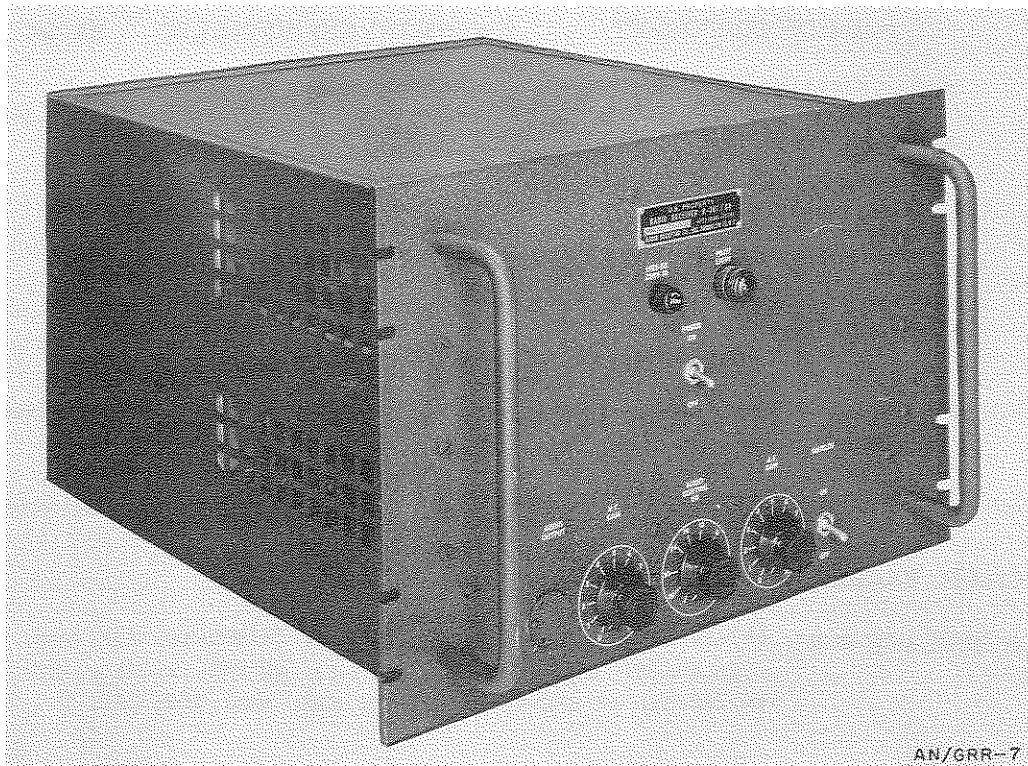
CLASSIFICATION OF EQUIPMENT: Restricted

USING SERVICE: Air Force

DATE OF THIS SHEET: 12 May 52

AN/GRR-7

RADIO RECEIVING SET



Radio Receiving Set AN/GRR-7 may be used for reception of a-m (voice or tone) signals in the u-h-f range 225 to 399.9 mc for general ground operation for air-to-ground and point-to-point communication. It is used primarily for control tower, and airway station operation, and has sufficient output to operate a loudspeaker.

This receiver is a crystal-controlled, single-channel, double conversion superheterodyne, having individual channels spaced 100 kc apart throughout the tuning range.

The second intermediate frequency is 6 mc and this equipment is thus subject to interference from h-f radio transmitters operating on or near this frequency.

The r-f input circuit is designed to operate from the following antennas: AT-197/GR; AS-505/GR; AS-450/GR. Normally used with, but not part of, Radio Transmitter Set AN/GRT-3.

AN/GRR-7	INSTRUCTION LITERATURE: TO AN 16-30GRR-7-1 13 Feb. 52
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver R-361/GR	19 x 12-1/4 x 19	50
1*	Relay Rack	Standard 19"	Not Available
1*	Terminal Panel	Not Available	" "
1*	Desk Shelf MX-1058/U	" "	" "
1*	Interconnecting cables	" "	" "

* Required but not supplied.

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Normally issued on any organizational level as project material in accordance with AFR 100-17.

INSTALLATION: Designed for mounting in standard 19" relay rack for fixed ground installation.

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

CAN COMMUNICATE WITH: AN/ARC-12, -19, -27, -30, -33, -34; AN/GRC-16, -27, -29, -30, -32; AN/GRT-3; AN/MRC-12, -20, -22; AN/PRC-14, -17, -20; AN/TRC-32; AN/URC-4; AN/URT-10; MAR; MAY; TDZ; TED.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: Crystal controlled for operation on channels spaced 100 kc apart in the u-h-f band 225 — 399.9 mc.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice or tone.

POWER OUTPUT: 1 w into 600 ohm load.

POWER REQUIREMENTS: 200 w, 115/230 v, 60 cyc, 1 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Receiving Set AN/GRR-7 measures 19 x 12-1/4 x 19 inches, net weight 50 pounds, volume 2.1 cu ft. Packed for either domestic or export shipment: total weight 62 pounds, total volume 2.5 cu ft. Shipped in 1 package.