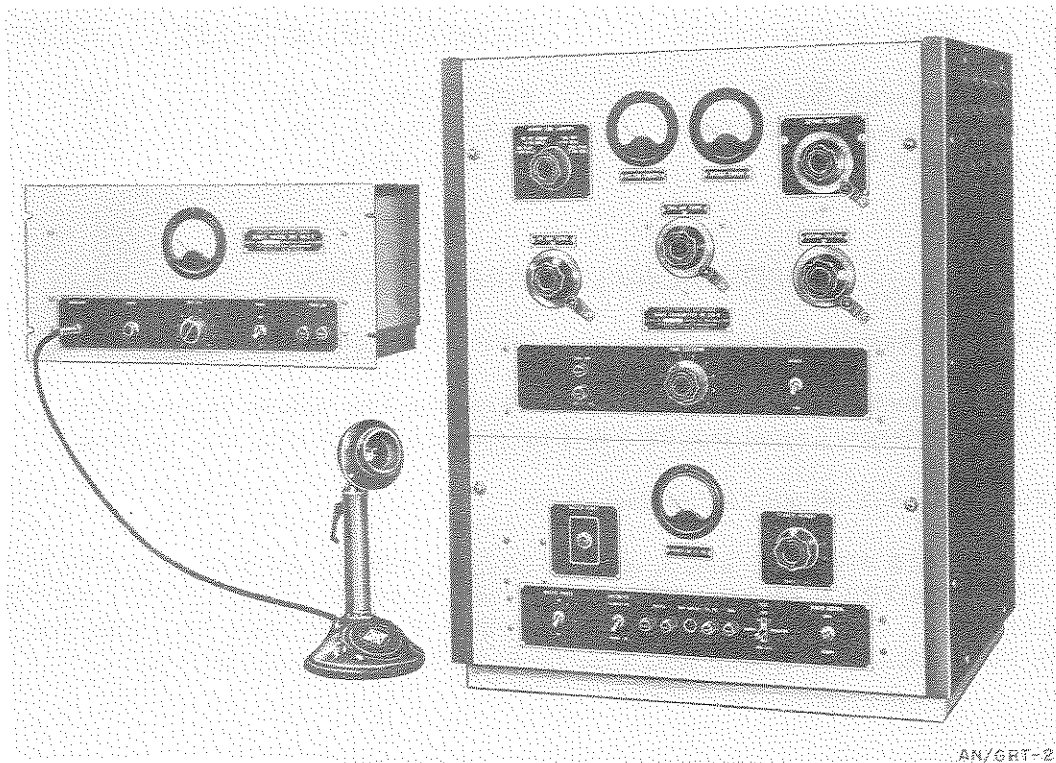


STATUS: Substitute Standard  
 CLASSIFICATION OF EQUIPMENT: Unclassified  
 USING SERVICE: Air Force  
 DATE OF THIS SHEET: 28 Apr 52

# AN/GRT-2

## RADIO TRANSMITTING SET



Radio Transmitting Set AN/GRT-2 is a fixed, ground a-m (voice) transmitter for short-range, airport traffic control communication in the l-f and m-f range. Can be operated from a distance of 5 miles by Remote Control Unit RM-6.

The frequency is crystal-controlled (with a master oscillator for emergency operation).

Nominal power output is 25 w. The 500-ohm impedance audio input circuit is designed for a low-impedance microphone or telephone line.

The antenna output is designed for operation into a long wire antenna.

Input power required is 105/125 v ac, 50/60 cyc, single-phase, at 560 w for transmitter; requires an added 28-w input for remote control operation.

<b>AN/GRT-2</b>	INSTRUCTION LITERATURE: TO 16-30GRT2-2, TO 16-30GRT2-3
	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO TRANSMITTING SET	USING SERVICE: Air Force
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### MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Remote Control Unit RM-6-K	8-23/32 x 19 x 10-1/4	36
1	Radio Transmitter BC-329-N	30-1/2 x 24-1/4 x 20	240
1	Microphone T-27-P	11 x 5-1/4 diameter	2.75

### OPERATIONAL CHARACTERISTICS

**TACTICAL USE:** Normally utilized at advance air bases for emergency airport traffic control.

**INSTALLATION:** Radio Transmitter BC-329-N is self-contained for table in floor mounting.  
Remote Control Unit RM-6-K is for standard 19-inch relay rack mounting.

**APPROXIMATE RANGE (IN MILES):**(Nominal) short.

**CAN COMMUNICATE WITH:** AN/ARC-5, -8; AN/GRR-3; AN/MRC-20; AN/SRC-3; AN/SRR-3, -11, -12;  
AN/TRQ -1; AN/VRC-4; BC-344, -348, -453, -779; MBS; R-96/SR, -129/U, -203/SR, -206/PR,  
-210/U, -211/U, -212/SR, -213/SR, -215/SR, -247/URR; RAK; RAL; RAS; RBA; RBH; RBL; RBM;  
RCH; RDF; SCR-177, -274, -614; ARC Type 12; Fisher TS25.3; National HRO-50.

### TECHNICAL CHARACTERISTICS

**FREQUENCY RANGE IN MEGACYCLES:** 0.2 - 0.41.

**TYPE MODULATION:** Am.

**TYPE OF SIGNAL:** Voice.

**POWER OUTPUT:** 25 w.

**POWER REQUIREMENTS:** 560 w, 105-125 v, 1 phase, 50/60 cyc ac. An additional 28 w is required for remote control.

### PHYSICAL CHARACTERISTICS

Radio Transmitting Set AN/GRT-2 measures 20 x 25 x 31 inches, net weight 279 pounds, volume 24 cu ft.  
Packed for domestic or export shipment: total weight 512 pounds, total volume 25.6 cu ft (approximate).  
Shipped in 2 packages.