

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army, Navy

DATE OF THIS SHEET: 8 Jan 52

AN/GRR-TYPE

SERVICE TYPE NUMBER:

BC-342

RADIO RECEIVER



Radio Receiver BC-342 is a lightweight, a-m (voice, tone, and cw) receiving equipment which operates in the m-f and h-f bands and is the a-c operated equivalent of Radio Receiver BC-312. It is designed for general purpose ground, mobile, or fixed station use at division or higher headquarters.

This equipment is a highly sensitive and selective self-contained radio receiver inclosed in a metal cabinet. It is used as a component of Radio Set SCR-399 and similar equipment.

It uses a whip type or straight wire antenna and operates from a conventional a-c power source.

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| AN/GRR-TYPE | | INSTRUCTION LITERATURE: TM 11-850 |
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| RADIO RECEIVER | | USING SERVICE : Army, Navy |
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MAJOR COMPONENTS

| QUANT | NAME OF COMPONENT | DIMENSIONS (IN) INSTALLED | WEIGHT (LBS) |
|-------|-------------------|---------------------------|--------------|
|-------|-------------------|---------------------------|--------------|

(Equipment consists only of a single major operating component.)

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Corps, division, and company levels; USAF squadron and groups.

INSTALLATION: Ground, mobile or fixed.

APPROXIMATE RANGE (IN MILES): Long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -21, -25; AN/ART-13; AN/CRT-3; AN/FRC-10; AN/FRT-5, -6, -15, -17, -18; AN/GRC-9, -13, -26; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRT-4; AN/TRQ-1; AN/URT-2, -3, -4; AN/VRC-1, -4; BC-191, -339, -401, -447, -610; MBS; MQ; OA-60A/FRT, -60B/FRT; RC-52; SCR-177, -188, -193, -274, -281, -399, -499, -506, -536, -543, -585, -694; T-4/FRC, -83/SR, -158/FRT, -159/FRT, -171/FR, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBU; TBW; TBX; TCB; TCC; TCE; TCH; TCK; TCP; TCS; TCZ; TDE; TDF; TDH; TDN; TDO; TEB; TEC; TEF; Collins 18S-4 (AF Model); Collins 32V-2; Fisher TS 25-3; Marconi TH-41-B; Westinghouse Type MW; Wilcox 96D, 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 1.5 - 18.0 (over-all).

Band A: 1.5 - 3.0

Band D: 8.0 - 11.0

Band B: 3.0 - 5.0

Band E: 11.0 - 14.0

Band C: 5.0 - 8.0

Band F: 14.0 - 18.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, tone, voice.

POWER REQUIREMENTS: 75 w, 115 v, 50/60 cyc ac.

PHYSICAL CHARACTERISTICS

Radio Receiver BC-342 measures 10 x 9-1/16 x 18-1/16 inches, net weight 61.5 pounds, volume 1 cu ft. Packed for domestic shipment: total weight 120 pounds, total volume 4.7 cu ft. Shipped in 1 package.