

STATUS: Limited Standard
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Army
 DATE OF THIS SHEET: 2 Jan 52

AN/TRR-TYPE

SERVICE TYPE NUMBER: BC-787
 RADIO RECEIVER



BC-787

Radio Receiver BC-787 is a 3-band, a-m and f-m, voice and c-w equipment operating in the v-h-f range. It can be used in fixed plant point-to-point communication, for intercept or monitoring purposes, and for special applications in vehicles as a mobile equipment.

This equipment consists of a commercial (Hallicrafter S-36) table model, communication-type radio receiver, and a shock mount. It can be installed on a standard radio relay rack and arranged for stand-by operation at a distance by means of remote control equipment. It is the principal operating component of Radio Set SCR-607 and similar equipment.

Operates from 115/230 v ac, from dry batteries, or from a vehicular storage battery through appropriate power-modifying equipment.

AN/TRR-TYPE		INSTRUCTION LITERATURE: TM 11-867
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Mounting FT-377-A	4-7/8 x 21-1/4 x 14-1/2	12
1	Radio Receiver BC-787	9-5/16 x 21-1/4 x 14-1/2	78

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Radio security detachments, Air Force flight test detachments.

INSTALLATION: Fixed station or mobile.

CAN COMMUNICATE WITH: AN/ARC-1, -3, -5, -18, -28, -36; AN/CRC-2, -3; AN/FRC-6, -7, -9; AN/GRC-3, -4, -5, -6, -7, -8, -30; AN/MRC-5, -16, -22; AN/PRC-6, -8, -9, -10, -16, -17, -20; AN/TRC-1, -3, -4, -7, -8, -11, -12; AN/TRQ-1; AN/URC-4; AN/URT-7, -10; AN/VRC-1, -2, -3, -5, -7, -8, -9, -10, -13, -14, -15, -16, -17, -18, -20, -21, -22; AN/VRQ-1, -2, -3; AN/VRT-1; BC-640; MAN; MAW; MBF; MBS; MN; RC-257; SCR-177, -293, -298, -300, -508, -509, -510, -522, -528, -542, -573, -575, -608, -609, -610, -619, -624, -628, -641, -643, -808, -828; TBS; TBY; TDG; TDQ; TDT; Collins, 32V-2; Wilcox 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 27.8 - 143, in 3 bands.
 Band 1: 27.8 — 47.0
 Band 2: 46 — 82
 Band 3: 82 — 143

TYPE MODULATION: Am, fm.

TYPE OF SIGNAL: Voice cw.

POWER OUTPUT: 3 w.

POWER REQUIREMENTS: 110 w, 115/230 v, 50/60 cyc ac; or A battery, 6 v at (4.5 amp) B battery, 270 v at 145 ma.

PHYSICAL CHARACTERISTICS

Radio Receiver BC-787 weighs 90 pounds net, volume 2.53 cu ft.