



R-129/U

Figure 66. Radio Receiver R-129/U.

*Status:* Limited standard. *Stock No.:* 2C4180-129. *Reference:* TM 11-866.

Radio Receiver R-129/U is a superheterodyne receiver intended primarily for fixed-station use, although mountings for vehicular installation may be utilized.

The receiver uses a conventional superheterodyne circuit and is designed for the reception of either c-w or a-m voice or tone signals, with either manual or automatic volume control.

This receiver uses an external power supply, but in an emergency can be operated from batteries.

Radio Receiver R-129/U is the same as Radio Receivers BC-779-A and -B; BC-794-A and -B; BC-1004-B, -C, and -D except in frequency coverage.

**TECHNICAL CHARACTERISTICS**

**FREQUENCY RANGE:** 0.3 to 10 mc in 5 bands:

- Band 1: 0.3 to 0.54 mc.
- Band 2: 0.54 to 1.16 mc.
- Band 3: 1.16 to 2.5 mc.
- Band 4: 2.5 to 5 mc.
- Band 5: 5 to 10 mc.

**NUMBER OF CRYSTALS:** 1 (filter).

**ANTENNA:** Doublet antenna with balanced transmission line or single wire and ground.

**TYPE MODULATION:** Amplitude or c-w.

**POWER SOURCE:** Power Supply Units RA-74, RA-84, and RA-94-A; 95- to 260-v, 25- to 60-cyc, a-c, 180-w. In an emergency, the following battery supply: one 6-v storage battery, five 45-v B batteries, and one 45-v C battery.

**RANGE:** Long.

**NUMBER OF TUBES:** 18.

**GENERAL APPLICATION**

**USE:** General purpose communication receiver.

**TO COMMUNICATE WITH:** Radio Sets AN/GRC-9, AN/

MRC-2A, AN/VRC-1, SCR-177, SCR-188, SCR-193, SCR-399, SCR-499, SCR-536, SCR-543, and SCR-694.

**INSTALLATION:** Fixed station, although mountings may be provided for vehicular installation.

**TYPE OF SIGNAL:** C-w, tone, and voice.

**PRINCIPAL COMPONENTS**

<i>Name</i>	<i>Dimensions (in.)</i>	<i>Weight (lb)</i>
Radio receiver with power and battery cables and dust cover .....	10½ x 15¾ x 19	55
Radio receiver or with power and battery cables using Cabinet CH-104-A instead of dust cover .....	12½ x 16½ x 23	73
Power supply unit with dust cover .....	10½ x 10 x 19	60

**WEIGHT AND VOLUME**

	<i>Unpacked</i>	<i>Domestic pack</i>	<i>Export pack</i>
Total weight (lb) .....	115	120	179
Total volume (cu ft) .....	3.0	4.4	7.5