



R-205/U

Figure 69. Radio Receiver R-205/U.

Status: Limited standard. *Stock No.:* 2C4544.

Radio Receiver R-205/U (Hallicrafters model SX-24) is a nine-tube superheterodyne receiver designed for the reception of a-m and c-w signals in fixed-station communications. It maintains frequency stability throughout a wide range of line voltage, humidity, and temperature variations.

This receiver is equipped with a d-c operation socket for battery or vibrapack and contains a noise-limiter circuit. It has six-point variable selectivity from c-w crystal to high-fidelity, and terminals are provided for break-in relay operation. A single-signal crystal filter is a part of the standard equipment.

The controls include an r-f gain, a selectivity switch, crystal phasing, audio gain, pitch control, main tuning control, band spread tuning control, an ANL switch, high-low tone, send-receive switch, and a bfo switch.

This receiver is table-mounted in a steel cabinet.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE: 0.054 to 43.5 mc in 4 bands as follows:

- Band 1: 0.054 to 1.73 mc.
- Band 2: 1.7 to 5.1 mc.
- Band 3: 5.0 to 15.7 mc.
- Band 4: 15.2 to 43.5 mc.

NUMBER OF CRYSTALS: 1.

PRESET FREQUENCIES: None.

ANTENNA: Standard receiving.

POWER SOURCE: 110-v, 50 - to 60-cyc ac at 70 w, or 6-v, d-c No. 301 Electronic Converter.

RANGE: Medium, dependent upon antenna used, frequency, and ionospheric conditions.

NUMBER OF TUBES: 9.

GENERAL APPLICATION

USE: For reception of signals from sets in frequency range.

TO COMMUNICATE WITH: Receives signals from transmitters in frequency range.

INSTALLATION: Fixed.

TYPE OF SIGNAL: A-m, c-w, and m-c-w.

PRINCIPAL COMPONENTS

<i>Name</i>	<i>Dimensions (in.)</i>	<i>Weight (lb)</i>
Radio Receiver R-205/U	19½ x 9½ x 10½	56

WEIGHT

Total weight (lb) _____ *Domestic pack*
56