



*Figure 99. Radio Set SCR-536, showing transmitting and receiving operations.*

*Status:* Standard. *Stock No.:* 2S536. *Reference:* TM 11-235.

Radio Set SCR-536 consists of a five-tube, low-power, dry-battery-operated radio receiver and transmitter with certain accessories. It is designed for a-m, two-way communication over short distances. The outstanding feature of its design and construction is its extreme portability. It is intended primarily as a handy-talkie for foot combat troops. All operating components are contained in one case.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE: 3.5 to 6.0 mc (any one of 50 channels).  
 NUMBER OF CRYSTALS: One transmitting and one receiving crystal required for each channel.  
 PRESET FREQUENCIES: One preset channel provided.  
 ANTENNA: 40-in. telescopic rod. Telescopes into set. Receiver is turned on when antenna is extended.  
 TYPE MODULATION: Amplitude.  
 FREQUENCY CONTROL: Crystal.  
 POWER SOURCE: Self-contained dry batteries (1 Battery BA-37, 1.5 v and 1 Battery BA-38, 103.5 v).  
 POWER OUTPUT: 0.02 w.  
 RANGE: Over land, approx 1 mi. Over salt water, approx 3 mi.  
 NUMBER OF TUBES: 5.

GENERAL APPLICATION

USE: Used by parachute troops, airborne troops, and anti-tank units of the infantry for short-range communication.

TO COMMUNICATE WITH: Radio Sets AN/GRC-9, AN/TRC-2; AN/VRC-1, SCR-188-A, SCR-399-A, SCR-499-A, SCR-694, SCE-536, SCR-193, SCR-506-A.  
 INSTALLATION: Man pack.  
 TYPE OF SIGNAL: Transmitter: voice. Receiver: voice and tone.

PRINCIPAL COMPONENTS

<i>Name</i>	<i>Dimensions (in.)</i>	<i>Weight (lb)</i>
Radio Receiver and Transmitter BC-611 with coils, crystals, and tubes (without batteries). . . . .	15 $\frac{1}{4}$ x 3 $\frac{5}{8}$ x 5 $\frac{3}{8}$	3.85

WEIGHT AND VOLUME

	<i>Unpacked</i>	<i>Export pack</i>
Total weight (lb) . . . . .	10.5	17
Total volume (cu ft) . . . . .		0.6