

**AN/PRC-112A(C)
Multi-Transmission Radio with Embedded
Communications Security**

* This radio is an over-the-counter commercial purchase obtained by the US Army.

NSN: 5820-01-280-2117

Reference: Not available

General Information

The AN/PRC-112A(C) provides full voice encryption using Motorola's field proven INDICTOR module. Designed for covert and hostile environment operations, the AN/PRC-112A(C) provides interoperability with key COMSEC devices including the Sunburst II Processor (AN/CSZ-1A) and VINSON (KY-57). Slightly larger than the standard AN/PRC-112, the AN/PRC-112A(C) will slip easily into uniform pockets, rucksacks and other transport compartments. The AN/PRC-112A(C) is an NSA endorsed, Type I secure voice, ground-to-air communications radio. A mode control switch selects between two key variables for secure voice, a zeroize-key function and a clear "plain text" voice mode. This radio will automatically receive and process clear "plain text" voice transmissions even when configured in a secure voice mode. The built-in transponder beacon supplies ranging and personnel identification information via the airborne AN/ARS-6 interrogator system.

Technical Characteristics

Frequency Range	121.5 MHz 225 to 299,975 MHz
Available Frequencies	3000 in 25 kHz steps
Frequency Stability	+/-5 ppm
Modulation Modes	Secure--AM, 16 kb/s CVSD AM voice AM swept-tone beacon Transponder-BPSK/OOK
Operation Modes	Secure voice--2 selectable key variables Key variable zeroize switch Voice: clear Sweep-tone beacon: 121.5 MHz and 243 MHz DME transpond: any UHF channel
Weight	36.5 ounces or 1.0 kg (with battery)

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