

## AN/TRC-132 and AN/TRC-132A Radio Terminal Sets

Status:     STD-B; NSN: 5820-00-999-4364  
            STD-A; NSN: 5820-00-010-6554

Reference: TM 11-5820-607-12  
            TM 11-5820-727-12

### General Information

The AN/TRC-132 and AN/TRC-132A are air- or ground-transportable assemblages. The AN/TRC-132 provides tropospheric scatter, microwave FM communications systems with the necessary equipment for quad diversity option (two transmitters and four receivers) and 48-channel operation using Multiplexer MX-106. The AN/TRC-132A is a two-shelter terminal with a tropospheric scatter radio equipment system. It provides full-duplex transmission and reception of 60 voice channels and one orderwire channel and has two transmitters, four receivers, and two parabolic antennas for space and frequency diversity transmission and reception of signals. Current tactical speech security equipment is not compatible with either assemblage, but individual teletypewriter circuits can be secured by using Electronic Teletypewriter Security Equipment TSEC/KW-7.

### Technical Characteristics

Frequency Range-----	4.4 to 5.0 GHz
Power Output-----	TRC-132: 1 kw TRC-132A: 10 kw
Power Requirement-----	TRC-132: 208 V AC, 3-phase, 4-wire, 60 Hz, 22 kw TRC-132A: 208 V AC, 3-phase, 4-wire, 60 Hz, 16 kw
Planning Range-----	TRC-132: 161 km (100 mi) TRC-132A: 322 km (200 mi)
Antenna-----	AS-1912A, 8.53 m (28 ft) parabolic reflector TRC-132: Mounted on an aluminum tower/ trailer TRC-132A: Mounted on a tripod base
Type of Service-----	FM, Bandwidth: 60 channels; variable between 900 kHz and 5 MHz; 36 channels, variable between 600 kHz and 4 MHz; 12 channels; variable between 325 kHz and 2 MHz
Vehicular/Shelter Requirement-----	TRC-132: 2 1/2 t/Craig S-141 (modified)
Weight-----	TRC-132: 7,724 kg (16,993 lb) with antennas TRC-132A: 11,963 kg (26,319 lb) with antennas

# AN/TRC-132 Radio Terminal Set

