

AN/TRC-198(V)1 and AN/TRC-198(V)2 Line-of-Sight Multichannel Radio Terminal

NSN: 5820-01-349-9241 (AN/TRC-198(V)1)
5820-01-349-9240 (AN/TRC-198(V)2)

Reference: TM 11-5820-1114-13-1

General Information

The AN/TRC-198(V)1 and the AN/TRC-198(V)2 LOS Multichannel Radio Terminal is part of the contingency communications package (CCP) and is used with the contingency communications parent switch (CCPS). The AN/TRC-198(V)1 is a transportable radio communications link between other CCPSs, contingency communications extension switches (CCESs) and other MSE nodes. The AN/TRC-198(V)1 uses a maximum of three UHF radio sets which can be dismantled and used separately. The dismantled radio set is the AN/TRC-198(V)2. The shelterized version uses a standard S-250/G electrical equipment shelter transported on an M-1097, heavy shelter carrier HMMWV. A 200-amp alternator in the HMMWV provides DC power to the shelter, as an alternative to the primary power source, a PU-753/M, trailer-mounted, 10 kW, diesel generator.

Technical Characteristics

Power Requirements: Primary input power— 115 V AC,
50 to 60 Hz, single phase
Alternate DC power — 28 V DC
Radio Transmission Data UHF — 225 to 400 MHz (Band I)
1350 to 1850 MHz (Band III)
Transmission Capacity Up to three simultaneous UHF transmissions

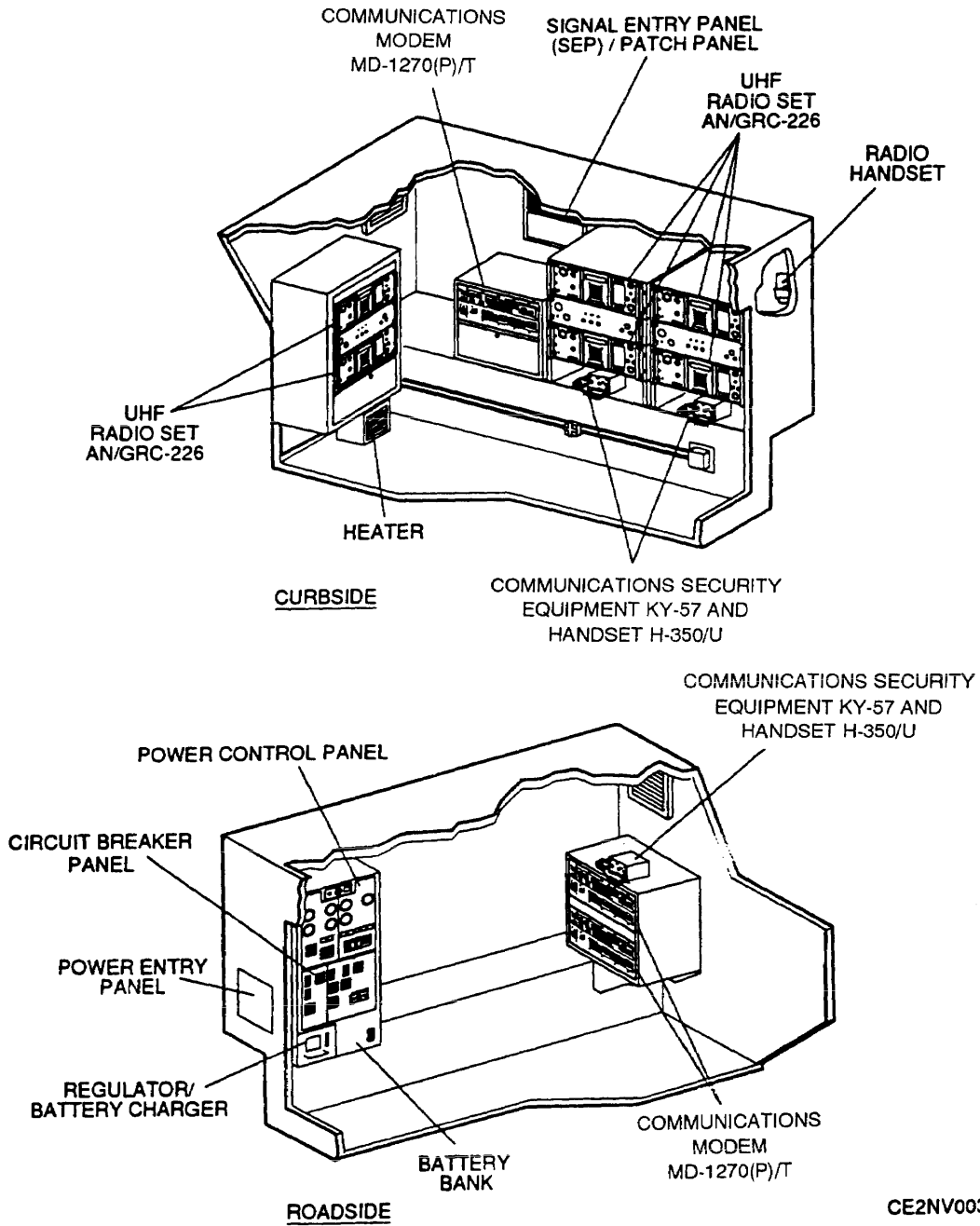
Major Components

| | (V)1 | (V)2 |
|-----------------------------------|------|------|
| HMMWV, 10,000 lbs | 1 | 0 |
| S-250/G shelter | 1 | 0 |
| Generator PU-753/M, 10 kW | 1 | 0 |
| VINSON COMSEC Unit KY-57 | 1 | 1 |
| Electronic Transfer Device KYK-13 | 1 | 1 |
| Telephone Handset | 1 | 1 |
| AN/GRC-226(V) Radio Set: | 3 | 1 |
| Baseband Unit | 3 | 1 |
| RF Unit, Band I | 3 | 1 |
| RF Unit, Band III | 3 | 1 |

**Major Components
(Cont.)**

| | (V)1 | (V)2 |
|-----------------------------|------|------|
| Antenna, Band I | 3 | 1 |
| Antenna, Band III | 3 | 1 |
| Antenna Mast, 15 meters | 1 | 1 |
| Telephone Handset | 1 | 0 |
| AC Power Cable, 35 feet | 1 | 0 |
| AC Power Stub, 15 feet | 3 | 1 |
| CX-11230A Coaxial Cable | | |
| Internal Cables Set | 1 | 0 |
| Antenna Cables Set | 3 | 1 |
| Communication Modem MD-1270 | 2 | 1 |
| Dismount (V)2 Kit: | | |
| Communication Modem Case | 0 | 1 |
| Radio Case 1 | 0 | 1 |
| Radio Case 2 | 0 | 1 |
| DC Power Supply | 0 | 1 |
| Power Cable Set | 0 | 1 |
| Signal Cable Set | 0 | 1 |
| HVA-9 | 0 | 3 |

AN/TRC-198(V)1 and AN/TRC-198(V)2 Mounted



AN/TRC-198(V)1 and AN/TRC-198(V)2 Dismounted

