



Vehicle Adapter Systems

For the AN/PRC-148 Multiband Inter/Intra Team Radios



20 Watt VA



20 Watt VAA



50 Watt VAA Single Channel



50 Watt VAA Dual Channel



50 Watt AN/VRC-113 CVA



50 Watt LPVA



- Contiguous 30-512 MHz Coverage
- Cable-free Radio Dismount Capability in Less Than 2 Seconds
- Removable Control Head for Full Function Remote Operations (All Versions Except CVA)
- Environmentally Rugged
- Supports the Following Waveforms/Modes Dependent Upon Radio Installed (Implemented and Planned)
 - AM/FM
 - HAVEQUICK I/II
 - MIL-STD-188-241-1/-2 (SINGARS)
 - MIL-STD-188-181B (56 kbps)
 - MIL-STD-188-181C, -182B, -183B (SATCOM IW)
 - ANDVT (LPC-10, MELP Vocoders)
 - Project 25
 - Mobile Ad Hoc Networking (MANET)
 - Over The Air Cloning (OTAC)
 - Retransmission

Supports and Maintains the Functionality of the Installed AN/PRC-148 Radio, Including MBITR and JTRS Enhanced MBITR (JEM)

Vehicle Adapter Systems

For the AN/PRC-148 Multiband Inter/Intra Team Radios

The compact, rugged Vehicle Adapters and Vehicle Adapter Amplifiers for the combat-proven AN/PRC-148 family of multiband inter/intra team radios¹ expand critical communication capabilities and open up a broad range of secure and anti-jamming voice and data applications. Easily mounted in air, land, or sea vehicles, they provide power amplification for range extension while recharging the installed AN/PRC-148 radios. Dual radio configurations offer an alternative to existing SINGGARS vehicular installations, with capability beyond basic SINGGARS. Thales' unparalleled rapid radio dismount capability—cable free, fully charged, and immediately operational—enables warfighters to shift seamlessly from mounted to dismounted operation in less than 2 seconds, staying connected and secure with no loss of time and no loss in communications. **Every second counts.**

¹AN/PRC-148 Multiband Inter/Intra Team Radio (MBITR), AN/PRC-148 JTRS Enhanced MBITR (JEM), PRC6809 MBITR



VEHICLE ADAPTER (VA)*

Available as a single unit or as a complete system with mounting tray, speaker, cables, and broadband vehicle antenna

- Contiguous 30-512 MHz coverage
- 20 Watt output from 30-512 MHz
- Integrated tunable harmonic filters
- Integrated tunable cosite filters
- Typical -115 dBm FM receive sensitivity



20 WATT AN/VRC-111 VEHICLE ADAPTER AMPLIFIER (VAA)

Full configuration includes 2 AN/PRC-148 radios, 2 vehicle adapters, and an interface tray

- Contiguous 30-512 MHz coverage
- 20 Watt output from 30-512 MHz
- Installs onto existing MT-6352 mounting tray
- Powered through existing SINGGARS mounting tray
- Excellent cosite performance
- Typical -115 dBm FM receive sensitivity



50 WATT VEHICLE ADAPTER AMPLIFIER – SINGLE CHANNEL

Full configuration includes 1 AN/PRC-148 radio, 1 vehicle adapter, single-channel 50 Watt power amplifier unit, and mounting tray

- Contiguous 30-512 MHz coverage
- 50 Watt output from 30-88 MHz
- 20 Watt output from 89-512 MHz
- Superior cosite performance
- Typical -118 dBm FM receive sensitivity



50 WATT AN/VRC-111 VEHICLE ADAPTER AMPLIFIER – DUAL CHANNEL

Full configuration includes 2 AN/PRC-148 radios, 2 vehicle adapters, two-channel 50 Watt power amplifier unit, and mounting tray

- Contiguous 30-512 MHz coverage
- 50 Watt output from 30-88 MHz
- 20 Watt output from 89-512 MHz
- Superior cosite performance
- Typical -118 dBm FM receive sensitivity at 30-88 MHz
- Typical -121 dBm FM receive sensitivity at 89-512 MHz



50 WATT AN/VRC-113 CRADLE VEHICLE ADAPTER (CVA)

Full configuration includes 1 AN/PRC-148, 1 cradle, 1 power amplifier, and cables

- Contiguous 30-512 MHz coverage
- 50 Watt output from 30-88 MHz
- 20 Watt output from 89-512 MHz
- Programmable cosite filters
- Typical -116 dBm FM receive sensitivity



50 WATT LOW PROFILE VEHICLE ADAPTER (LPVA)

Available as a stand-alone installation using standard cabling or with a SINGGARS MT-6352 Mounting Tray

- Contiguous 30-512 MHz coverage
- 50 Watt output from 30-88 MHz
- 20 Watt output from 89-512 MHz
- Programmable cosite filters
- Typical -116 dBm FM receive sensitivity



* Adapter Kit:
Available to convert 20 Watt VA to 50 Watt LPVA

- All units available with or without radios.
- Non-U.S. Government sales are subject to U.S. Government approval.
- Specifications are subject to change without notice.

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