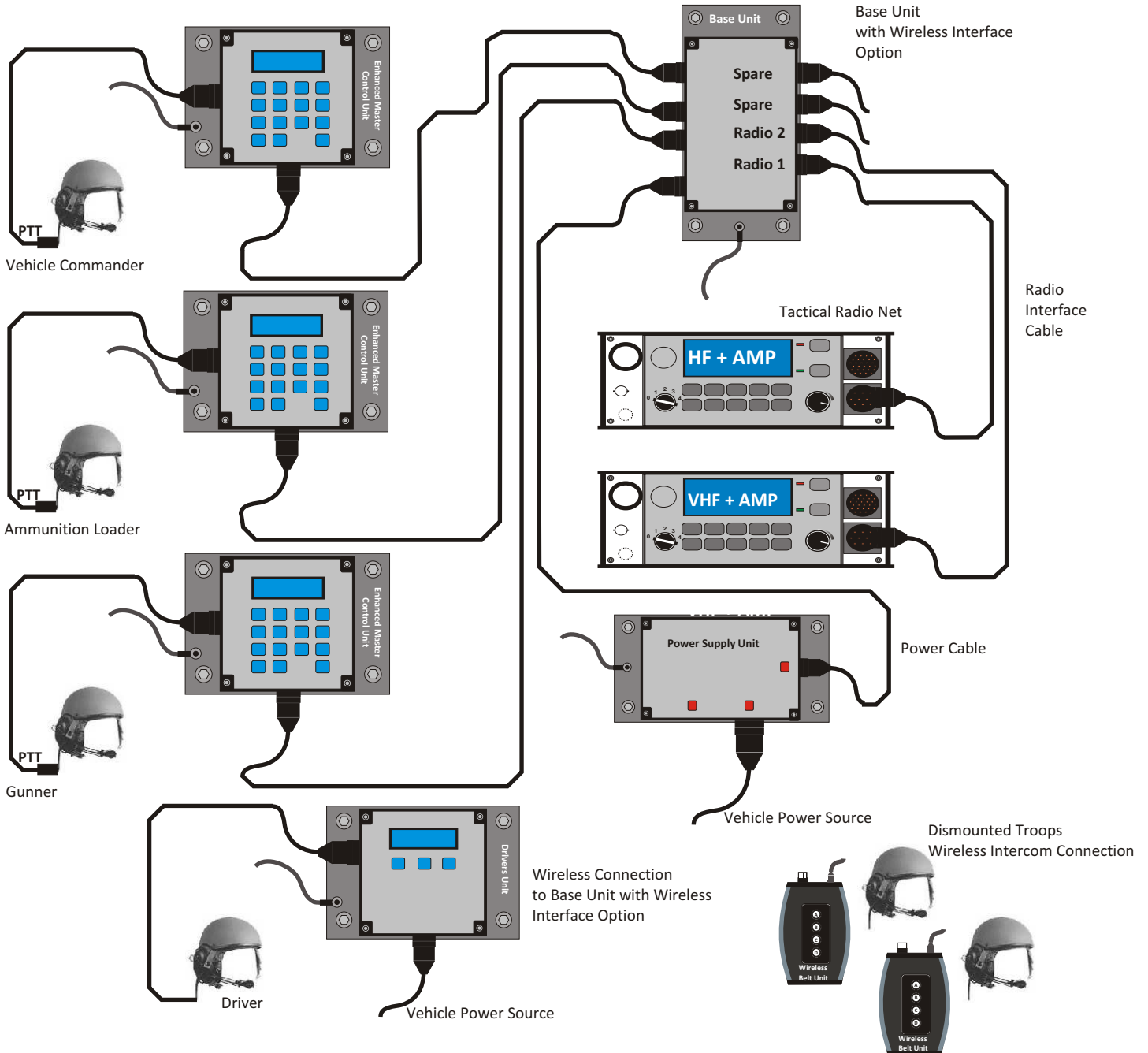


AT Vehicle Intercom System C - Fighting Platform



Features

Intercom communication for both crew members and Radio access for the commander

Up to four radios can be supported

Functional control of main features of radios (dependent on access permitted by OEM of radios)

Full duplex Intercom audio

Easily installable with minimal set-up time required

Minimal training with user-friendly HMI (Human Machine Interfaces)

Live intercom capability allows crew to perform other tasks simultaneously

RFI suppression circuitry significantly reduces effects of near vicinity high power RF transmissions

An enhanced MCU for increased configurability of radios and intercom

Driver wirelessly connected to system avoiding connection to RBJ

Up to four radios can be controlled simultaneously



AT Vehicle Intercom System C - Fighting Platform

Functional Characteristics

The "C" model comprises the following modules;

- Base Unit (BU) with Wireless Interface Module
- Power Supply Unit (PSU)
- Two or three enhanced Master Control Unit (EMCU)
- Wireless Drivers Unit (DU)

In an armoured front line fighting platform with four crew members, three would be provided with an enhanced EMCU so that they can configure both the intercom and installed radios to suit operational demands, and the Driver would have a wireless hands free capability so that he could operate the platform safely.

This model is suited to Tanks where the turret crew members require full access to the communications. It also provides Commander Radio Transmit Priority which interrupts other crew members' transmissions should the commander key up the radio. The wireless connectivity to the Driver means that connectivity through the Rotary Based Joint is not required.

This model is used in restricted space platforms where the majority of crew members require access to configuration of system commensurate with their role

Intercom functions as follows:

- Live or PTT
- Master unit override
- Mates unit broadcast capability
- Individual volume controls

Radio functionality as follows:

- Radio all selections made through keypad
- Radio live or monitor
- Individual radio volume
- Master unit radio privacy
- Master unit can configure radio precedence configuration
- Channel select
- Mode select
- Additional functions which the installed radio can support and is required by Users

General Features:

- Supports up to four crew members
- It can interface to most types of military, commercial and PMR radios.
- Data capability is an option
- Compact installation (three boxes) into a wide variety of platforms
- Simple to use, easy to maintain
- Crisp and clear audio full duplex on Intercom standard half duplex for radio
- Supports four users and can be set for priority usage by one User
- Can be fitted with anti vibration mounts for all terrain modes of operation
- Wide temperature capability -20°C to +75°C
- Accepts wide range of connectors from 38999 to standard commercial
- RFI and ESD suppression
- Low power consumption from 10 watts to 25 watts ("A" to "C" models)
- Input voltage range 16 volts dc to 34 volts dc
- Power routed via interconnecting cables
- Electret or condensing microphones can be used and wide impedance range for earpieces providing capability of accepting most helmet headset combinations
- Pressel assembly can provide mic conditioning and compression, amplification and power for ANR conditions
- All headset connections and pressel connections are fitted with snatch connectors
- Compact installation four or five boxes plus belt unit
- Additional Master Control units can be fitted
- Additional Intercom User units can be fitted
- Star or ring configuration
- Simultaneous radio usage