BARRETT

# Mobile & Base Station Voice and Position Encrypters


- **AES-256 Encryption: Voice, Data and Position**
- **GPS & GLONASS Support**
- **600 – 2400 bps Automatic Digital Voice Rates**
- **STANAG 4538 Modem**
- **V/UHF & HF & Transceiver Compatible (SSB & FM)**
- **TWELP Vocoder - High Voice Clarity**
- **Ethernet Interface**
- **Inbuilt Loudspeaker**
- **6-36V DC vehicle power**

The Barrett Voice and Position Encrypters are high perfomance, digital, secure voice modems. They are suitable for first responders, security agencies, governmental and paramilitary users with voice privacy and asset tracking. Easily integrating with all VHF, UHF and HF radio transceivers via the audio or accessory interface, the units are suitable for use with base station and vehicular radio installations.

**Security**
The built-in AES encryption means that all communications are secured by a trusted algorithm. Switching between Secure Digital Voice (SDV) and analogue voice (analogue SSB or FM) transmission is done by simply pressing the PLAIN / SECURE button (lock symbol). Key index selection is made via keypad.

**Tracking**
The In-line voice and position encrypters can be configured to send out periodic position reports. These are designed to be received by a PC running Barrett's TAC Command software (purchased separately). TAC Command can also be used to pull positions from voice and position encrypter units, if so configured.

**Versatility**
As connection is external to a transceiver, rather than being internal fit, Voice and Position encrypters can easily be transferred from one transceiver to another without the requirement of re-loading security keys. This allows operators in the field to easily adapt to use between multiple transceivers.

**Modem**
The Barrett Voice and Position Encrypters have a built-in STANAG 4538 modem for Automatic Link Set-up, 3G ALE, and error-free packet data transfers. The unit can be set-up to run in robust BLOS (HF) mode. The result is significantly extended range and increased data throughput.

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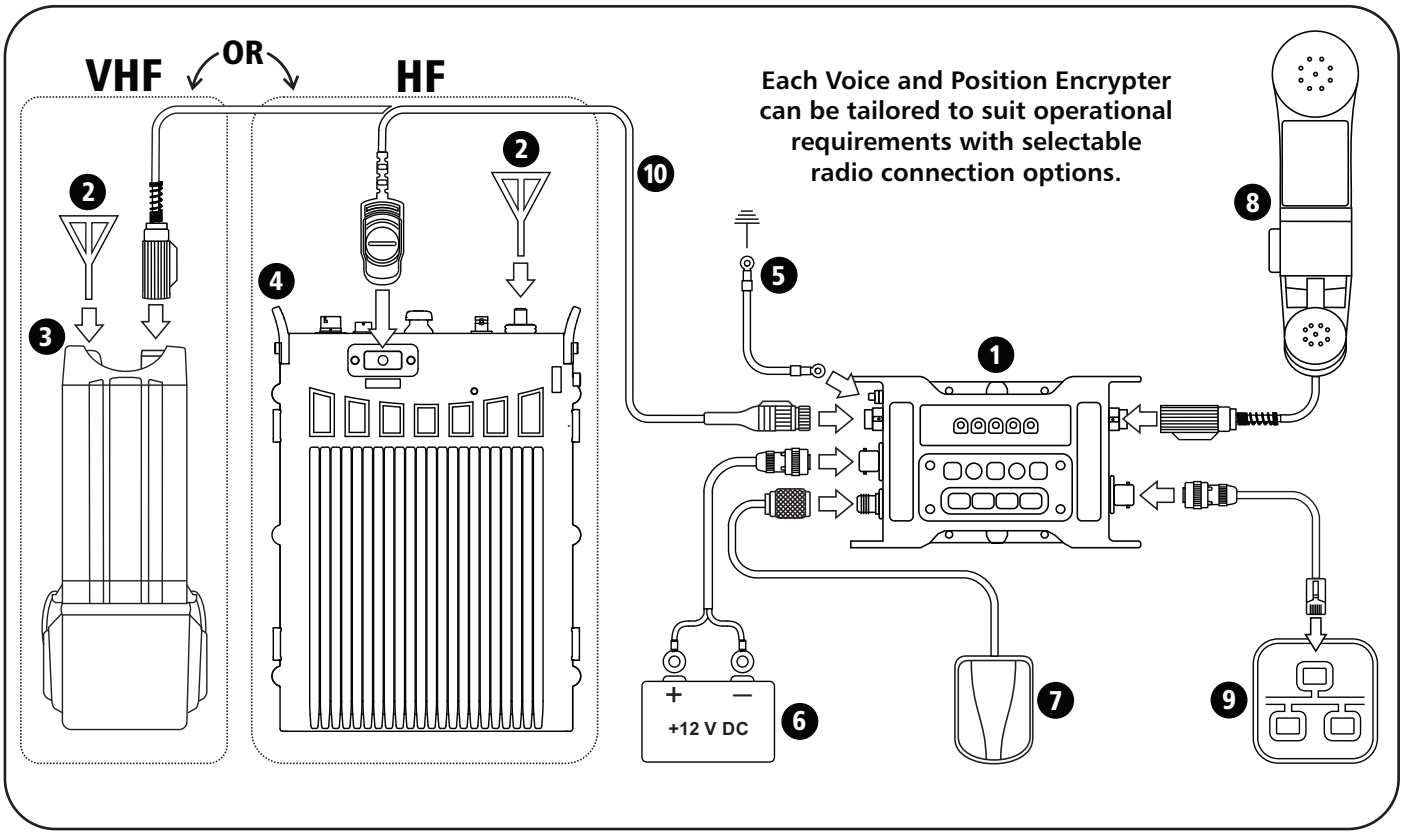
## Example Set-up Scenario (HF & VHF)




1. Voice and Position Encrypter
2. Antenna
3. PRC-2080 VHF Tactical Transceiver
4. PRC-4090 HF Tactical Transceiver
5. Earth (ground)
6. DC Power source
7. GPS receiver
8. H250 Handset
9. Network
10. Radio Cable - termination chosen at time of order

## Specifications

| | |
|---|---|
| **Standards** | MIL-STD 810F Humidity, Shock, Vibration, Dust, Immersion |
| | MIL-STD 461, IEC/EN 60950 |
| **Power** | 6 - 36V DC |
| **Temperature** | Operating -40 to +60°C |
| | Storage -55 to +85°C |
| **Dimensions** | 163 x 96 x 41mm (w x d x h) |
| **Weight** | 800g |
| **Speaker** | 2 x 4W 8 Ohm internal |

## Available as:

### HF Part No:

| | |
|---|---|
| **2067-10-60** | Barrett 2067 HF Vehicular/Base Voice and Position Encrypter (Black) |
| **2067-10-70** | Barrett PRC-2067 HF Tactical Vehicular/Base Voice and Position Encrypter (NATO Green) |

### VHF Part No:

| | |
|---|---|
| **2069-10-60** | Barrett 2069 VHF Vehicular/Base Voice and Position Encrypter (Black) |
| **2069-10-70** | Barrett PRC-2069 VHF Tactical Vehicular/ Base Voice and Position Encrypter (NATO Green) |

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