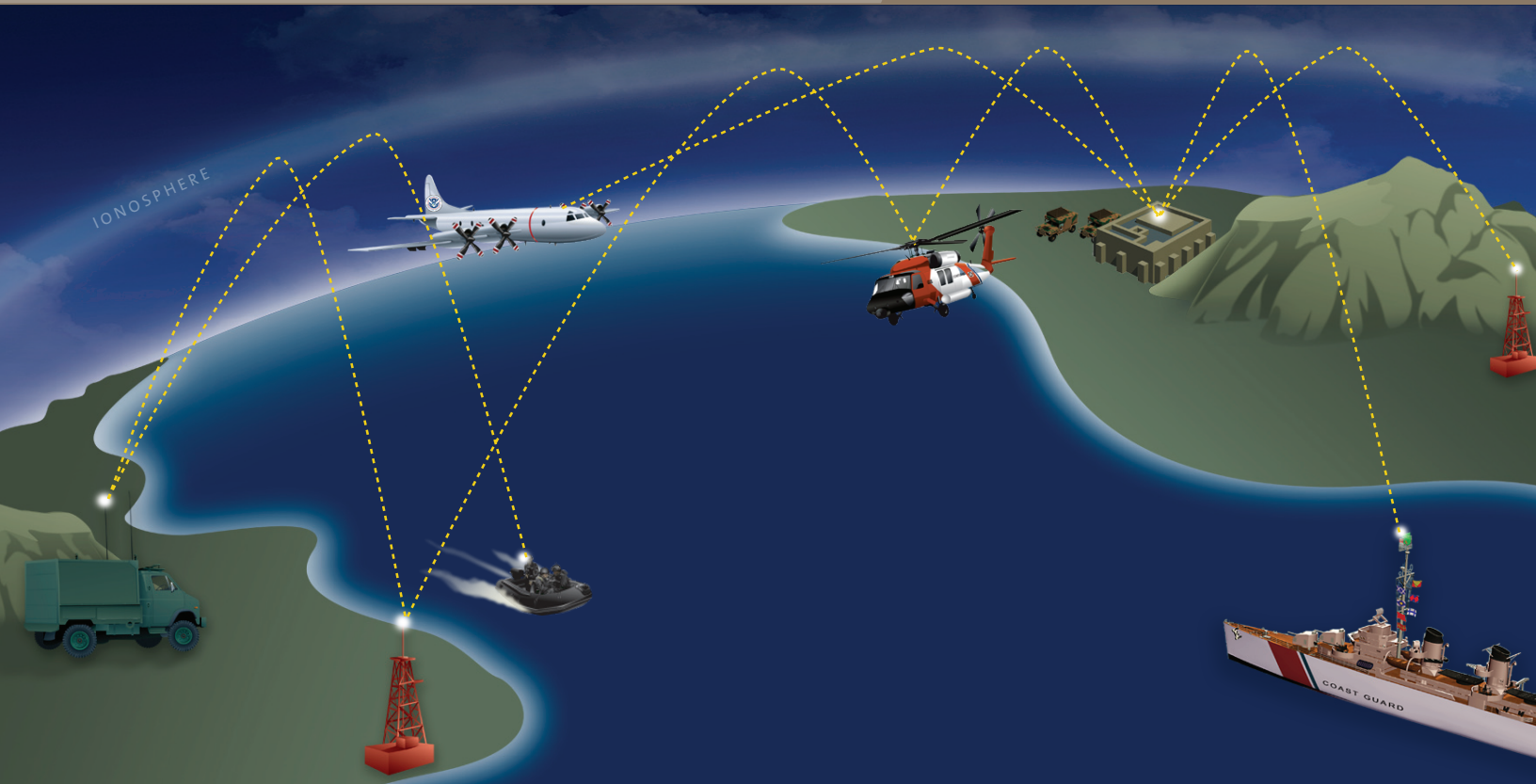


DVP-200 Data and Voice Privacy



Flexible, certified and secure voice and data communications with superior audio quality.

Today's warfighters demand their communication systems provide reliable data exchange and outstanding voice clarity in a highly secure environment – a difficult task, especially with legacy equipment. The Rockwell Collins DVP-200 Data and Voice Privacy unit provides a unique combination of data and voice privacy with crystal-clear audio quality that is fully compatible with HF, VHF, UHF and other communications channels.

The DVP-200's leading-edge technology overcomes stubborn problems that can degrade HF digital communications such as noise, short fades, and delay distortion. The result is an extremely high probability of synchronization over usable voice communications channels.

The highly secure DVP-200 features Advanced Encryption Standard (AES) 128-bit encryption and meets Federal Information Processing Standards (FIPS) 140-2 Level 1 certification. As many as eight key variables may be stored in the DVP-200 at one time, allowing flexibility of key management.

Easy to use, the system's built-in Over-The-Air Rekeying (OTAR) capability supports remote rekeying.

A Public Key (PK) allows two DVP-200s to establish a key and communicate without prior agreement of keys. The "public key" mode completely eliminates the need for a secret key to be common to both stations in order for them to communicate in private.

The DVP-200 can be easily integrated into a wide variety of existing voice and data systems. The system features a user-friendly display/interface. As an added feature, the DVP-200 can be fully controlled by a personal computer through a standard com port connection.

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KEY FEATURES

- Digital voice and data encryption
- Outstanding audio clarity allowing precise speaker recognition and identification
- Mixed Excitation Linear Prediction-enhanced (MELPe) Vocoder, U.S. and NATO standard STANAG 4591, MIL-STD-3005 1200/2400 bps digital voice (clear or encrypted)
- Certified and registered to Federal Information Processing Standards (FIPS) 140-2 security level 1
- Advanced Encryption Standard (AES) 128-bit
- Over-The-Air Rekeying (OTAR)
- Storage of eight key variables
- Extensive built-in test capability
- Clear/secure and local/remote operation
- Optional Night Vision Goggle (NVG) compatibility
- Exportable (with U.S. Department of Commerce export license) ECCN 5A002, HTS 8517.62.0050

SPECIFICATIONS

Key variable combinations	2 ¹²⁸
Data/voice encryption	Advanced Encryption Standard method (AES) 128-bit
Synchronization type	Over-the-air preamble, with a new sync established for each transmission
Synchronization success	Exceeds 99% in a 10% bit error rate communications channel
Data channel	DVP-200 internal 75 - 2400 bps modem supports MIL-STD-188-110B single-tone modem operation
Data interfaces	DCE and DTE, synchronous serial RS-232 interface, 75-19, 200 bps for external modem
Clear voice channel	Single-sideband pass band of at least 300 Hz to 3,050 Hz
Operation	Half-duplex
Audio interfaces	600 Ω , 0 dBm or 150 Ω (for receive audio output)
PTT in	Short (<200 Ω) for transmit Open (>10 k Ω) for receive
PTT out	Open collector transistor to ground
Operating temperatures	-20°C to +55°C
Humidity	Up to 95%, non-condensing
Power requirements	12 to 32 VDC
Power consumption	Less than 4 W
Dimensions	67 mm H x 146 mm W x 205 mm D (2.64" H x 5.75" W x 8.07" D)
Weight	0.8 kg (1.76 lbs)



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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