

DIGITAL VOICE UNIT

3592 DVU

The 3592 external Digital Voice Unit provides high grade 256-bit AES encryption using Codan 2nd generation TWELP digital voice at multiple vocoder rates.

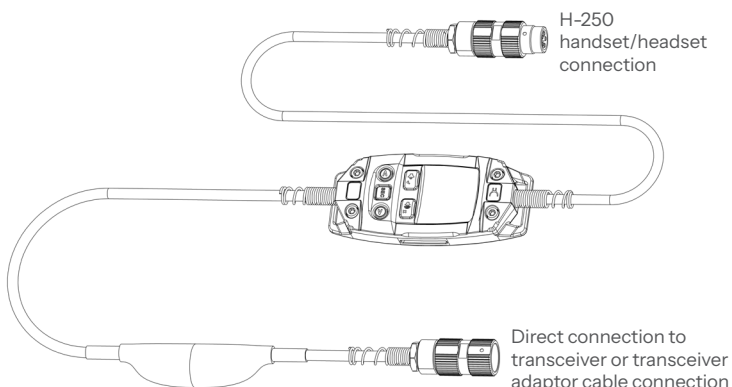
The compact and robust form factor supports multiple use case scenarios from man portable to vehicular and base station deployments.

KEY FEATURES

- AES-256 Encryption Algorithm
- Stores up to 256 keys
- Vocoder rates (TWELP)
300/480/600/1200/2400 bps
- Auto-bauding
- Zeroize function
- HF / VHF / UHF transceiver compatible
- Over the air compatible with Codan Sentry-H, Envoy, and 2110 family of transceivers
- Multiple platforms supported including intercom systems
- 4.5 - 28 V DC Input range with surge protector
- Tested to MIL-STD-810G environmental standards
- 3 year Warranty
- Optional non-encrypted Digital Voice variant

EASE OF CONNECTION

Codan's 3592 is available in both encrypted and non-encrypted versions. The DVU may be connected directly to the transceivers that have a compatible powered H-250 interface. Alternatively, an accessory cable can be used to adapt the DVU to a range of other transceiver interface specifics.



BRIDGING THE GAP

The 3592 Digital Voice Unit enables commanders to bridge the interoperability gap between multiple vendor fielded radio networks, by providing the same vocoder and encryption algorithms as the Sentry-H, Envoy, and 2110 family of Codan transceivers. The 3592 provides the ultimate flexibility in deployment, while ensuring secure interoperability between units.

The 3592 is highly configurable, making it compatible with virtually any transceiver that has an audio and control interface.

EASE OF USE

The 3592 features a simple, intuitive 5-key interface for control of volume, encryption key and Secure/Clear Status. The 3592 user Interface is augmented with voice prompts and confirmation beeps allowing ease of operation and setup.

SECURITY

Administrator password protected applications and key files, coupled with emergency zeroize function from a 3592 key combination ensures network security to the front line.

EASE OF PROGRAMMING

The Codan DPS (DVU Programming Software) application is used to adjust and set 3592 configuration parameters to ensure proper operation with the connected transceiver. The DPS application is supplied with preset configuration files for a range of transceiver types, but users can also create and store their own custom configuration files.

Key programming of the 3592 is achieved using Codan's standard KMS (Key Management Software) or KFS (Key Fill Software), as used with Codan's transceivers. The KMS/KFS applications also allow configuration of analogue pass-through mode, keying and un-keying delays as well as modem output level.

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GENERAL	
Audio Interface	Baseband audio (unbalanced 390 Ω audio output from the 3592, configurable from 20mV to +2V RMS) Unbalanced 1000 Ω audio input to the 3592, -35 to +20 dBm (not configurable)
Supply voltage	4.5 to 28 V DC, 1.5W max, pin-F of transceiver interface connector
Temperature	-30°C to +60°C (operating), -40°C to +85°C (storage)
Environmental	Tested to MIL-STD-810G for Immersion (1 m) for 30 mins, Shock, Vibration, Blowing Dust, Salt Fog, Humidity and Drop
EMC compliance	CE
Vocoder	TWELP
Vocoder rates (non export controlled version)	1200 / 2400 bps
Vocoder rates (export controlled version)	300 / 480 / 600 / 1200 / 2400 bps
Encryption (export controlled version)	AES-256 (256 user configurable keys)
Supported modes	Analogue pass-through, Clear DV, Secure DV (export controlled only)

MECHANICAL	
Handset interface	6-pin U228 connector, compatible with 5 pin style plugs
Transceiver interface	6-pin U229 connector
Computer interface	Via transceiver interface connector using the Codan programming cable
Dimensions	120 W × 50 D × 20 H mm
Weight	Main unit: 0.4 kg
Colour	Black

Values noted are typical. Equipment descriptions and specifications subject to change without notice or obligation.

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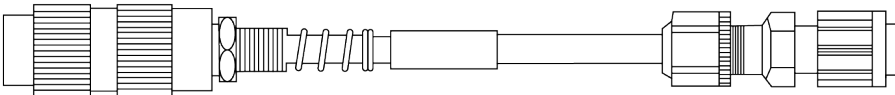
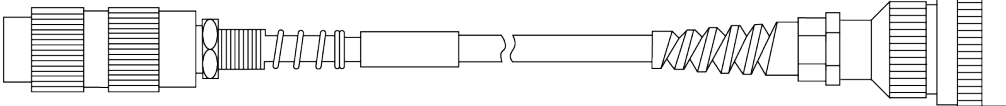
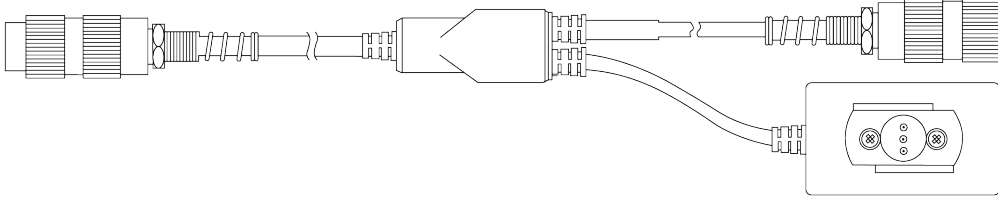
CODAN 3592 DVU

CODAN PART NUMBER	DESCRIPTION
08-07577-004	Non-Encrypted, no Australian Export Control
08-07577-001	Encrypted, Australian Export Controlled

3592 DVU ACCESSORY ITEMS

CODAN PART NUMBER	DESCRIPTION
08-07599-001	3592 DVU programming cable, USB-A to 6-pin U229 connector
15-04208-USB	3592 DVU Programming Software
15-04168-USB	Key Management Software (KMS)
15-04171-USB	Key Fill Software (KFS)
06-03101-EN	3592 DVU Quick Reference Card, English language
15-04211-EN	3592 DVU Operator Guide, English language
08-07381-001	H-250 Handset

3592 DVU TRANSCEIVER ADAPTOR CABLES

CODAN PART NUMBER	DESCRIPTION
08-07600-001	Transceiver interface cable (ICOM IC-F8101) 
08-07602-001	Transceiver interface cable (Codan 19way) 
08-07603-001	Transceiver interface cable (external battery power) 

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