

## RC50-C HF EMAIL SOFTWARE

### ➤ FEATURES AT A GLANCE



- Adaptive data rates up to 19200 bit/s
- NATO interoperable
- Data encryption
- Compatible with CALM™/ALE
- Intranet/Internet gateway

Codan's RC50-C HF Email software provides fast, efficient, error free email capability over HF radio. Operating in conjunction with Codan's HF Transceivers and RM50 range of Data Modems, the software operates on a standard Windows™ PC using a single USB port with no specialised PC hardware requirements. When installed, the software runs in the background requiring no user interaction.

### ADAPTIVE DATA RATES UP TO 19200 BIT/S

When used with a CODAN™ ISB capable Transceiver data rates up to 19200 bit/s are possible. Data rates are fully adaptive to suit the prevailing channel conditions ensuring the fastest possible data rate is used at all times. Inbuilt compression and industry leading data rates minimise station on-air time.

### NATO INTEROPERABLE

Operator control via a standard POP3 email client and the use of STANAG 5066 ensures the system is interoperable with other manufacturer's systems.

### DATA ENCRYPTION

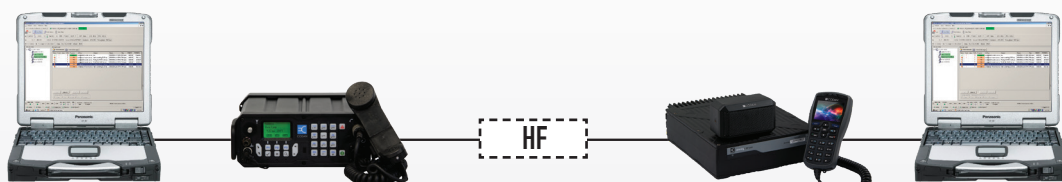
Over the air transmissions can be encrypted using AES-256 bit encryption. Additionally, the RC50-C system has been designed to support customer defined third party email encryption software for full end-to-end email encryption.

### SIMPLIFIED OPERATION USING CALM™ / ALE

The RC50-C HF Email software integrates with Codan's enhanced CALM™/ALE linking system, simplifying operation and ensuring the best available channel is chosen for each data session.

### INTRANET / INTERNET GATEWAY

RC50-C can be configured as a gateway to connect with a wider Intranet/WAN providing a fully integrated field email service.



## SPECIFICATIONS

### STANAG 5066

V1.2 Annex F.12 Compressed File Transport Protocol (CFTP)

### SUPPORTED WAVEFORMS

#### MIL-STD-188-110A

#### Modulation

Coded PSK  
Uncoded PSK

#### Data Rates

75, 150, 300, 600, 1200, 2400  
4800

#### MIL-STD-188-110B (serial tone)

Coded PSK/QAM

3200, 4800, 6400, 8000, 9600

#### MIL-STD-188-110B (Appendix F) \*

Coded PSK/QAM

ISB: 9600, 12800, 16000, 19200

#### STANAG 4539

Coded PSK/QAM

75, 150, 300, 600, 1200, 2400

3200, 4800, 6400, 8000, 9600

Uncoded PSK/QAM

12800

#### STANAG 4285

Coded PSK  
Uncoded PSK

75, 150, 300, 600, 1200, 2400

1200, 2400, 3600

#### STANAG 4415

Coded PSK

75

#### STANAG 4529

Coded PSK  
Uncoded PSK

75, 150, 300, 600, 1200

600, 1200, 1800

### DATA RATE CONTROL

Adaptive, controlled by BER measurements, ISB 75 to 19200 bit/s, SSB 75 to 9600 bit/s

### DATA INTERFACE

USB2.0 or 2 x RS232 Serial

### MINIMUM PC SYSTEM REQUIREMENTS

Compatible with Windows™ 7, Windows™ 8 Professional, Windows™ 10 Professional

Intel Pentium IV 800 MHz or better

6 GB or more of free space for email storage

512 MB or more of RAM

CD-ROM drive

POP3 / SMTP compliant email client

Access to any commercial POP3 / SMTP compliant email server for internet connectivity

### RECOMMENDED TRANSCEIVERS

Envoy™ X2

Manpack 2110, 2110M

Sentry-H

\* Requires an ISB capable Transceiver

Consult Codan for configuration options

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



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## CODAN RADIO COMMUNICATIONS

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