CODAN
RADIO COMMUNICATIONS

↗ FEATURES AT A GLANCE

- Intuitive interface
- Fast secure linking
- Robust S4538 / 3G ALE waveform
- AES–256 data security
- Chat text messaging
- Email and file transfer
- Auto image resizing
- SMS gateway
- Email gateway

Codan's SprintChat and SprintNet applications utilise the benefits of the 3G ALE waveform to provide fast, secure and a highly flexible approach to HF data communications. Peer-to-peer email, file transfer and chat data formats are supported as well as phone SMS and internet mail via the SprintNet gateway. The flexibility and interoperability benefits of the Sprint solution provides a powerful extension to your HF network capabilities.

INTUITIVE INTERFACE

The multi-lingual Sprint GUI is designed to be simple and easy to use by utilising a similar look and feel to popular internet messaging applications and minimising system status information to only that which is essential to the operator.

A user programmable contact list enables easy identification of stations in the network, including cellular phone parties for SMS messages.

FAST SECURE LINKING

The Sprint data applications use the latest generation 3G ALE technology to provide fast secure linking in the most challenging channel conditions when other, older systems, fail to communicate.

Linking protection using a programmable 56 bit key prevents spoofing by unknown parties. All over-the-air data transmissions can be encrypted using AES-256 encryption giving peace of mind that the security and integrity of the data will be maintained. Anti-spoofing techniques are also incorporated to provide protection from unwanted attempts by third parties to disrupt 3G ALE links.

CHAT MESSAGING

The intuitive GUI is simple and easy to use and Chat sessions are established in a similar manner to internet-based messaging applications, which greatly reduces the need for specialised training.

Messages up to 250 characters are sent peer-to-peer or can be broadcast to all stations. Peer-to-peer messages between Sprint stations maintain the data link so multiple messages in either direction can be sent without link re-establishment, maximising effective air-time.

CHAT MESSAGING (CONTINUED)

Multiple messages can be are queued for transmission and a time stamped message thread is maintained for each contact allowing easy review or export of the contact history.

Messages can be exchanged between Sprint stations and the UI of transceivers not operating a Sprint application. Every 3G enabled transceiver is included in a Sprint network, not just those stations operating a Sprint application.

FILE TRANSFER AND EMAIL

Pictures and images can be resized by the application to enable faster transfer and file transfers appear in the message thread and can be opened directly from the thread.

Any standard POP3 e-mail client can be used with the applications. E-mails are created and read in the same way as when using Internet based e-mail systems, again, reducing training requirements.

SMS AND EMAIL GATEWAY

A SprintNet station is the gateway between the Sprint HF network and internet/LAN based email systems and the mobile phone network.

Any mobile phone user can be added to the contacts list in SprintChat stations. Text messages are automatically routed to the GSM modem equipped SprintNet gateway for delivery to the mobile phone network.

Mobile phone users can text directly to stations on the HF Sprint network. SMS texts destined for the Sprint network are prefixed with the contact name and sent to the telephone number of the GSM modem at the SprintNet gateway.

Emails addressed to recipients outside of the Sprint network are automatically sent to the SprintNet gateway for forwarding via an IP connection to an external email server.

SPECIFICATIONS

SPRINT DATA APPLICATIONS

SPRINTCHAT & SPRINTNET
Operates with any Codan S4538 (3G ALE) enabled transceiver
Chat messages and SMS texts transferred using LDL
File transfers and email transfers using CAST

COMPUTER REQUIREMENTS

PC Component	Minimum Requirement
Operating System	Windows XP® (Professional 32/64 bit) Windows 7® (32/64 bit Home Premium, Professional, Enterprise and Ultimate) Windows 8.1® (Professional and Enterprise 32/64 bit) Windows 10® (Home, Professional and Enterprise 32/64 bit)
CPU (Central Processing Unit)	1 GHz or faster 32-bit (x86) or 64 bit (x64) processor
Hard Disk	16 GB available hard disk space (32 bit) or 20 GB (64 bit) (actual installation requires 40 MB)
Tuner Modes	Fully Automatic and Memory. Silent tune (No radiated power during tune) is available if RS485 control is used. Learn mode (teaches tuner all the required frequencies for future recall) is available for suitably equipped radios
Memory (RAM)	2 GB RAM (Windows XP or 7) or 4 GB RAM (Windows 8.1 or 10)
Email Client	Any SMTP and POP3 compliant email Client (e.g. Microsoft® Outlook or Mozilla® Thunderbird)

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

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www.codanradio.com

Australia: +61 8 8305 0528 **US:** +1 571 919 6432
Canada: +1 250 382 8268 **UAE:** +971 44 53 72 01 **HFsales@codanradio.com**