

SOFTWARE SPRINT

Codan's SprintChat and SprintNet applications utilise the benefits of the 3G ALE waveform to provide fast and secure HF data communications. Peer-to-peer email, file transfer, and chat are supported, as well as SMS and internet email 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 contacts 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.

All over-the-air data transmissions can be encrypted using AES256 encryption giving peace of mind that the security and integrity of the data will be maintained. Antispoofing techniques are also incorporated to provide protection from unwanted attempts by third parties to disrupt 3G ALE links. Linking protection using a programmable 56 bit key prevents spoofing by unknown parties.

FILE TRANSFER AND EMAIL

Pictures and images can be resized by the application to enable faster on-air transfer. 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 Sprint application. Emails are created and read in the same way as when using Internet based email systems, again, reducing training requirements.



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 can be 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. Multiple messages can be queued for sequential transmission.

A time stamped message thread is maintained for each contact, allowing easy review or export of the contact's message history.

Messages can be exchanged between Sprint stations and the UI of transceivers not connected to the Sprint application. All 3G-enabled transceivers in the defined 3G ALE network are included in the Sprint contact list, not just those stations operating as Sprint nodes.

SMS AND EMAIL GATEWAY

A SprintNet station is the gateway between the Sprint HF network internet/LAN based email systems and the mobile phone network. Mobile phone users can be added as external contacts in the Sprint network. 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.

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COMPUTER REQUIREMENTS (PC)	MINIMUM REQUIREMENT
Operating system	Windows 7® (32/64 bit Home Premium, Professional, Enterprise, and Ultimate) Windows 8.1® (Professional 64 bit) Windows 10® (Professional 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)
Memory (RAM)	2 GB RAM (Windows 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)

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

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