

# Codan Telephone Interconnect

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### Telephone Interconnection

The Codan 3033 features a fully automated mode with remote management facilities suited for unattended sites. An intuitive web interface provides access to extensive call logging records and configuration settings. To ensure calling is simple and reliable, the 3033 is integrated with popular radio calling systems including ALE and Selcall.



### Easy to Use

**Automatic Mode:** The 3033 features an interactive telephone voice prompting system that guides users when making a call from a telephone to a HF station. This is especially helpful for telephone parties not familiar with HF radio operation.

When making a telephone call from a HF radio the 3033 features on-air voice announcements that advise the user how the call is progressing.

Speed dial numbers can also be used by HF users to call telephone numbers stored in the 3033, resulting in faster connection times.

**Manual Mode:** When the 3033 is set up for manual operation, an operator controls the HF and telephone patching via a simple button press. With an inbuilt quality speaker, an operator can also monitor the conversation of both the HF and telephone party.

### Multilingual Support

The flexible architecture of the 3033 ensures there are no limitations to voice prompt languages. With a user-friendly menu structure it is easy to store, organise and select your multiple custom-made voice prompts in a logical sequence.

### Web Browser interface

A standard web browser is used to access the embedded configuration and call management tools. These tools include control of

- ✓ Telephone user ca 11 groups
- ✓ Telephone network accessibility and passwords
- ✓ Speed dial numbers
- ✓ Regional telephone line parameters
- ✓ Custom voice prompts

### Embedded Call logging

Calls initiated from either a telephone or a HF station are recorded in a comprehensive call logging database within the Codan 3033. Upto 10,000 detailed records can be stored and then easily exported for commercial billing applications.

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### Programmable Access Rights

The 3033 can be configured so that only authorised HF and telephone users have access to the system. Access may be specified by:

- ✓ Defining HF user call groups
- ✓ Assigning an Access Code for a telephone user
- ✓ Listing telephone number patterns, such as local, national, international, and mobile calls

### Simple Remote Management

The 3033 is managed remotely by using one of two connections. Using the Ethernet port the 3033 is accessed in an intra-office environment via a corporate LAN. When using the RS232 port the 3033 is managed over a longdistance by connecting a dial up modem. A common web browser interface is used to manage both configurations.

The 3033 stores Speed dial information for users within a HF network. This feature makes it simple manage telephone numbers as they are stored in one location.

### Secure Communication

The 3033 supports HF radios optioned with encryption and frequency hopping to ensure HF communications is always secure. With the 3033, both telephone and HF users have control of the security options of the HF link.

### Specifications

|                     |  |                           |
|---------------------|--|---------------------------|
| Supply voltage      | 13.5 V DC nominal  |                           |
|                     | 9 to 16 V DC fully operational                           |                           |
| Cuurent consumption | 1.3 A nominal @ 13.5 V DC in normal operating conditions |                           |
| Environment         | Ambient temperature:                                     | -30to+60oC (-22 to 140oF) |

|                                   |  |                                   |
|-----------------------------------|--|-----------------------------------|
|                                   | Relative humidity:   | 0 to 95 %. non-condensing         |
| Network interface                 | Loop-start (FXO)   |                                   |
| Impedance                         | Software configurable  |                                   |
| Loop current                      | 20 mA  |                                   |
| Ring detection                    | 14.5 to 55 Hz, 50V AC  |                                   |
| Signalling                        | Line voltage drop, reverse polarity, ringing, on hook, off hook, flash |                                   |
| Audio characteristics             | Sampling device:   | 8 bit ADC to DAC sampling @ 8 kHz |
|                                   | Frequency response:  | 300 to 3400 Hz                    |
|                                   | Transmit/receive range:  | User-programmable software gain   |
| Signal processing characteristics | Cut-through DTMF detection:  | 0 to 9,*,#                        |
|                                   | Caller identification:   | On-hook/off-hook detection        |
| Size                              | 483 mm Wx338 mm Dx133 mm H   |                                   |
|                                   | (19 in W x 13.3 in D x 3 RU (5.25 in) H)                               |                                   |
|                                   | (Depth dimension does not include handle or connector projections)     |                                   |
| Weight                            | 10.6 kg (23.4 lb)  |                                   |
| Compliance                        | A-tick, CE, KC   |                                   |

**Codan - Telephone - Interconnect - Interface - HF Transceiver**