

# SC-1001 SELCALL/TELCALL MODULE

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## FEATURES:

**Upgrades Existing HF SSB Radios for Interoperability with Selcall and Telcall Systems**

**Switch-selectable to Codan or Barrett Formats**

**Easy to Install in Virtually Any Radio**

**Convenient Operator Interface**

The SC-1001 Selcall/Telcall Module is a small circuit board which can be field retrofitted into virtually any brand of HF-SSB radio. When installed, the module permits these radios to provide full network interoperability with the Selcall/Telcall signalling formats utilised in Codan and Barrett systems.

Convenient control of the module is provided by a DTMF-type palm microphone which is used in lieu of the radio's normal microphone. This microphone's keypad enables a wide variety of functions such as Selcall, Telcalls, Repeat last

Selcall/Telcall, Recall last caller, Mute/Un-Mute, Hang-up and Alarm Reset.

A series of audible tones and alarms through the radio's loudspeaker provide operational feedback. Tones are provided to confirm key entry, Selcall mute/unmute and entry error. Distinctive alarms are provided for receipt of Selcalls or Telcalls. In the event that a call is not promptly answered, distinctive background alarms beep every five seconds to alert the operator which type of call was received.

The SC-1001 is simple to install. The board is small (only 3.5 in, 88 mm square) and has a height low enough to fit into tight spaces. The interface to most brands of radio is quite simple. A switch selects between Codan and Barrett formats and a test position is provided to facilitate set-up. Audio levels are set by 10 turn potentiometers. The four digit Self ID code is set by four mini decimal rotary switches.

## SPECIFICATIONS

<b>Size:</b>	Approximately 3.5 inches (88 mm) square, Height 1.2 inches (30 mm) maximum.
<b>Operating Power:</b>	12 Vdc nominal, 300 mA maximum.
<b>Functions Available:</b>	Mute Open/Close, Send Selcall/Telcall, Repeat last Selcall/Telcall, Recall last Caller, Send Hang-up command, Reset Alarms.
<b>Outputs Available:</b>	Called LED, PTT (active low or high), Scan Stop, Mute, Transmit Audio and Alarm Audio plus relay drivers for Latched Alarm and Horn Alarm outputs (30 V 0.5 A max relay coil, active low).
<b>Interoperability:</b>	Switch selectable Codan or Barrett Selcall/Telcall on transmit, auto-select on receive.

Specifications subject to change without notice

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## Jenal Communications

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P O Box 1108 ~ MORLEY ~ Western Australia ~ 6943  
Tel ~ (08) 9370 5533 Fax ~ (08) 9370 5106

e-mail ~ sales@jenal.com  
Mobile ~ 042 9370 553