

# SC-2 SELCALL/TELCALL MICROPHONE

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## FEATURES:

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

**Keypad-selectable for Codan and Barrett Formats**

**Easy to connect to Virtually Any Radio**

**Convenient Operator Interface**

The SC-2 Selcall/Telcall Microphone is a convenient size microphone which can be field retrofitted onto virtually any brand of HF-SSB radio. When connected, the microphone permits these radios to provide full network Interoperability with the Selcall/Telcall signalling formats utilised in Codan and Barrett systems.

Convenient control of the Selcall/Telcall facility is provided by keypad on the SC2 microphone which is used in lieu of the radio's normal microphone. The 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, or through the microphones internal Piezo alarm, 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-2 is simple to connect having a maximum of nine possible connections. A minimum of five connections are required, being: Power, Ground, PTT out, Transmit audio and Receive audio. Additional outputs are available for: Mute, Scan control, Audio alarm and a Relay driver. Audio output levels are set by 10 turn potentiometers.

All programming of the SC2's Selcall Self ID and operational modes are via the microphone keypad and can be easily changed. Options include Codan (12 or 16 digit phone numbers) or Barrett formats for transmission of Selcalls and Telcalls (reception of any of the formats is automatic), Scan Pulses or Scan Control, Auto-scan reset timer, Beacon mode selection (xx99 Beacon or Selcall Beacon), Transmit or Receive disable.

## SPECIFICATIONS

<b>Operating Power:</b>	6 to 13.8 Vdc nominal, 55 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, Send Beacon request, Auto-scan reset timer.
<b>Outputs Available:</b>	Called LED, PTT (active low), Scan Stop/Pulse, Mute, Transmit Audio and Alarm Audio plus relay driver for Latched Alarm or Horn Alarm output (30 V 350 mA max relay coil, active low).
<b>Interoperability:</b>	Keypad selectable Codan or Barrett Selcall/Telcall on transmit, auto-select on receive..

Specifications subject to change without notice

SC2-05/04

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