

SC-3 SELCALL MICROPHONE

FEATURES:

Upgrades Existing HF SSB Radios for Interoperability with Selcall Systems

Uses Codan and Barrett common selcall format

Easy to connect to Virtually Any Radio

Convenient Operator Interface

The SC-3 Selcall 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 signalling formats utilised in both Codan and Barrett systems.

Convenient control of the Selcall facility is provided by keypad on the SC-3 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, Repeat last Selcall, 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-3 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 an Alarm Relay driver. Audio output levels are set by 10 turn potentiometers.

All programming of the SC-3's Selcall Self ID and operational modes are via the microphone keypad and can be easily changed. Options include fixed Codan/Barrett format for transmission of Selcalls (format of received Selcalls and Telcalls is automatic), Scan Pulses, Beacon mode (both xx99 Beacon and Selcall Beacon are enabled) and Audio or Piezo alarms.

SPECIFICATIONS

Operating Power:	6 to 13.8 Vdc nominal, 55 mA maximum.
Functions Available:	Mute Open/Close, Send Selcall, Repeat last Selcall, Recall last Caller (Selcall or Telcall), Send Hang-up command, Reset Alarms, Send Beacon request.
Outputs Available:	Called LED, PTT (active low), Scan 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).
Interoperability:	Codan/Barrett common format on Selcall transmit, auto-select on receive of Selcalls and Telcalls.

Specifications subject to change without notice

SC3-05/04



Jenal Communications
"serving the communications industry since 1994"

P O Box 1108 ~ MORLEY ~ Western Australia ~ 6943
Tel ~ +61 8 9370 5533 Fax ~ +61 8 9467 6146

Internet ~ www.jenal.com
Mobile ~ +61 8 42 9370 553