

Jenal Communications

Model SC-32

Selcall Decoder/Display

(Software Version 1.00)
(PCB Version 1.00)

Using the SC32 Selcall decoder/display unit

The SC32 is a stand-alone Selcall/Telcall decoder which will receive, decode and display Selcalls, Telcalls, Beacon requests and Hang-up requests in either Barrett, Codan or WA formats. The resulting decode is displayed on a 2 line by 16 character LCD display. The last call decoded will remain displayed until a new call is received or the display is cleared by pressing one of the “^”, “V”, “<”, “>” keys.

The SC32 can also be programmed to sound an alarm when a selcall is received from or sent to a particular selcall number. The programmed number can accept 0 to 9 and “?” as each of the four digits. A “?” means any digit, 0 to 9, will be accepted in that digit position. For example if “Call To 12?4” is programmed into the alarm then any call to 1204, 1214, 1224, 1234,, 1294 will set off the alarm. Calls from those numbers will not set off the alarm unless the alarm is programmed as “Call Fm 12?4”. The alarm consists of 9 beeps from the inbuilt Piezo alarm.

Display format:

| | | | | | | | | | | | | | | | | |
|--------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
| line 1 | N | N | N | N | | F | m | | S | S | S | S | | X | X | X |
| line 2 | t1 | t2 | t3 | t4 | t5 | t6 | t7 | t8 | t9 | t10 | t11 | t12 | t13 | t14 | t15 | t16 |

where:

NNNN is the selcall number being called

SSSS is the selcall number of the radio making the call

XXX is a three letter code indicating the type of call:

| | | |
|-----|---|---------------------------------|
| BAR | = | Barrett Telcall |
| BCN | = | Barrett or Codan Beacon request |
| COD | = | Codan Telcall |
| HAN | = | Barrett or Codan Hang-up |
| SEL | = | Barrett or Codan Selcall |
| WAH | = | WA Hang-up |
| WAS | = | WA Selcall |
| WAT | = | WA Telcall |

t1 to t16 is the telephone number being called - this line is normally blank unless the call is a telcall

Keypad:

There are five keys on the keypad. “^”, “v”, “<”, “>” (corresponding to UP, DOWN, LEFT and RIGHT respectively) and “*”.

Pressing the “*” key while in display mode puts the unit into programming mode and the display will read:

Alarm on Selcall
No

Pressing the “^” or “v” keys will change the display to read:

Alarm on Selcall
Yes Call To ????

Using the “<” and “>” you can move LEFT or RIGHT to any field. You can change the “To” to “Fm” (from) and vice versa using the “^” and “v” keys.

You can also change any of the question marks (representing the selcall digits) to any digit from 0 to 9 or “?” (meaning accept any digit) by using the “^” and “v” keys.

To switch the alarm on and off change the “Yes” to “No” and vice versa.

Press the “*” key to exit programming mode.

Power requirements

The SC32 is designed to be powered by an internal 9volt battery (either disposable or rechargeable) or an external 12vDC (nominal) supply. When connected to an external supply the SC32 is capable of charging an internal 9v battery. The supplied DC connector has a positive centre connection. The internal battery will last approx 12 hours when fully charged.

Audio input

Audio input is either by the built in electret microphone or by using a 3.5mm mono jack plug and lead direct connection.

Display contrast

The display contrast is adjusted by a potentiometer and is preset in the factory. The control is located on the main PCB near the bottom left corner of the LCD display.

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