



# 12-62-0000 VHF and UHF PAGING TRANSMITTERS



The 12-62 Series transmitters are available as VHF and UHF units with user-programmable power outputs ranging from 50 milliwatts to 4 watts. Using programming software, each model can be tuned across its full frequency range with no hardware adjustments.

They are capable of operating as NRZ or POCSAG transmitters. The built-in POCSAG encoder can be enabled or disabled as required.

In addition to a direct/RS232 buffered serial port, an on-board USB port enhances the range of applications to which the transmitter can be applied. Input/Output expansion is also possible via an internal

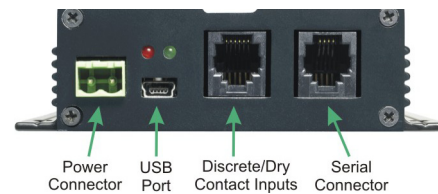
The USB and RS232 ports can be used to initiate paging transmissions using the Salcom proprietary protocol, Paging Entry Protocol (PET) or Telocator Alphanumeric Protocol (TAP) PG1 protocol. These ports can be used concurrently making it possible to connect a telephone interface unit and still initiate paging transmissions via the USB port.

Four discrete inputs are supported which may be used to initiate relay commands for remote control applications.

For paging applications a different pre-programmed message can be assigned to an input on high and/or low transition. The unit also supports low voltage detection on the power input.

Configuration of the transmitter is performed via the USB port or the serial port using an intuitive Salcom programming application which allows for the setting of all operational parameters.

The 12-62 is housed in an attractive, durable extruded aluminium case with provision on the base plate for wall mounting.



- Supports NRZ and POCSAG Transmissions
- High VSWR tolerance
- Up to 100% duty cycle
- Direct/RS232 buffered serial port
- USB port
- Four discrete inputs
- POCSAG encoder (programmable on/off)
- RF output through standard BNC termination
- Salcom, TAP/PET protocols
- 240 Character messaging
- Buffered messages
- Input timing control(watchdog)
- Programmable de-bounce control
- NZS/AS4769, ETS 300 224 (EC), FCC Pt 90.203 approvals
- Rugged extruded aluminium case

Frequency	VHF: 148-164MHz	UHF: 427.5-475MHz
Switching Range	Full range with no tuning	
Channel Spacing	12.5kHz or 25kHz	
Output Power	7 settings, 50mW to 4W ±1dB 50 Ohms	
Power Supply	+ 13.5V nom, +11.5V to 15.2V	
Input Current	Standby: 40mA Transmit: 1.2A approx	
Modulation	FSK with NRZ data	
Deviation	±2.25kHz or ±4.5kHz	
Baud Rate	512, 1200 baud	
Message Format	POCSAG	
Spurious Outputs	-37dBm or less	
Serial Input/Output	S2, pins 1,2 RS-232 (DCE), 9600 baud, no parity, 8 data bits, 1 stop bit	
Paging Protocols	Salcom proprietary, PET, TAP (PG1)	
Discrete Inputs	Pulled up to +12V (47K), ground to activate PTT on P2 pin 6. External modulation on S10 pin 8	
Discrete Outputs	PTT sink, 50mA on S10 pin 1	
Type approvals	UHF: AS/NZS4769, EN 300 224, FCC Pt 90 VHF: AS/NZS4769	
Transmit Duty Cycle	100mm x 120mm x 30mm (WxDxH)	
Dimensions	100mm x 120mm x 30mm (WxDxH)	

MADE IN NEW ZEALAND

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