

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



12-62-0000 POCSAG Paging Transmitter

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 external RJ45 interface

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.

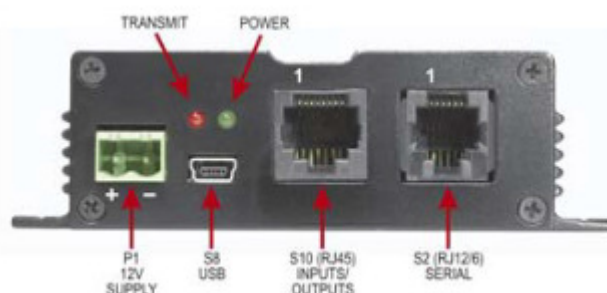
Four discrete inputs are supported which may be used to initiate relay commands for remote control applications.

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.

The 12-62 now has an extended database allowing for the use of 1,000 RIC/CAP codes which can be uploaded using the new 12-62 PSD. The PSD allows for the import of either .CSV or Text files.



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.



- Supports NRZ and POCSAG transmissions
- High VSWR tolerance
- Upto 100% duty cycle
- Direct/RS232 buffered serial port
- USB port
- Four discrete inputs
- POCSAG encoder (programmable on/off)
- RF output through standard BNC termination
- 240 character messaging
- Database holds upto 1,000 RIC/CAP codes
- RIC/CAP code import from .CSV or Text file
- Buffered messages
- Input timing control (watchdog)
- Programmable de-bounce control
- Protocols: Salcom / TAP (PET) / TNPP / ASCOM / ESPA 4.4.4 / AUSTCO / SCOPE / COMP1 / COMP2 / Match / Gent / GPS & Pulse Count / Gaming / Comp1 / Comp2.
- NZS/AS4769, ETS 300 224 (EC), FCC Pt 90.203 approvals

Designed in New Zealand

Technical Specification	
12-62-0000 – VHF / UHF Transmitter	
Frequency Range	148 - 164MHz - VHF (Model No. 12-62-0150) 427.5 - 475MHz - UHF (Model No. 12-62-0450)
Frequency Selection	User configurable
Power Supply	+13.8V typical (11 to 15 VDC range)
Power Consumption	Low Power Mode: 17.5mA Standby: 40mA Transmit: 1.2A @ 4W
Transmit Power	4W, 2W, 1W, 500mW, 250mW, 100mW, 50mW (5W on request)
Channel Spacing	5kHz, 6.25kHz, 10kHz, 12.5kHz, 25kHz
Modulation	FSK with NRZ data
Deviation	±2.25kHz or ±4.5kHz
Transmit Duty Cycle	50%; Maximum 5 minutes on time
Baud Rates	512, 1200
Message Format	POCSAG
Configuration Application	12-62 PSD
Programming Cable	Mini USB 12-45-0000 (RJ12 to DB9) Can be used with a USB to RS232 DB9 Serial Adapter Cable
Serial Port	9600 , N, 8, 1; RS232 / USB Other serial protocols available on request
Serial Protocols	Salcom; TAP (PET); TNPP; ESPA 4.4.4; Ascom; Gaming; Austco; Match; Gent; GPS & Pulse Count; SMS; 11-10/12-32; 12-36; 12-84, Scope, Comp1, Comp2.
Discrete Inputs	4 (Ground activated)
Other I/O	PTT In; PTT Out (50mA max); External Modulation (0 - 5V ±1V)
Connectors	Serial Port (RS232) = RJ12 (6P6C) Input / Outputs = RJ45 (8C) Programming = mini USB
Power Connector	2-way plug & socket, screw connections (supplied)
Environmental Protection	Not suitable for outdoor use and should be protected from adverse environmental conditions
Operating Temperature	-20°C to +50°C (-4°F to +122°F)
Indicators	Power LED (Green) - Slow Flashing = Normal Operation - Rapid Flashing = Low Supply Voltage Status LED (Red) - On = Transmitting - Flashing = Error Condition
Weight	316g
Enclosure Dimensions	100mm x 130mm x 30mm (WxDxH)
Enclosure Material	Extruded aluminium
Colour	Matt black
Type Approvals	AS/NZS 4769.1:2000 + Amendment 1:2002 (RF) EN 300-224-2 (RF) FCC CFR47 Part 90 (RF) - UHF only (Model No. 12-62-0450) EN 301 489-2 V2.1.0 (EMC) EN 60950-1:2006 (Safety)



Programming software available for free download at: <https://www.salcom.com>

