The 20-62 transmitters are available in VHF or UHF, with user-programmable power outputs ranging from 50 milliwatts to 5 watts. Using programming software, each model can be tuned across its full frequency range with no hardware adjustments. All models can be programmed remotely or be used to message remotely using TCP/IP.

20-62 VHF / UHF — IP Transmitter

The 20-62 is capable of operating as an NRZ or POCSAG transmitter. The built-in POCSAG encoder can be enabled or disabled as required.

In addition to 2 direct/RS232 buffered serial ports, the on-board mini-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. Connection via I.P. is available via the TCP/IP interface.
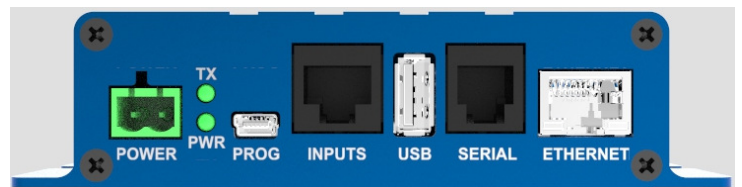
The USB and RS232 ports can be used to initiate paging transmissions using the Salcom proprietary protocol, Paging Entry Protocol (PET) or Telocator Alphanumeric Protocol (TAP) protocol. These ports can be used concurrently making it possible to connect a telephone interface unit and still initiate paging 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. Upto 1,000 RIC/CAP codes which can be uploaded using the Configuration Tool. This tool allows for the import of either .CSV or Text files. Into the internal database.

Configuration of the transmitter is performed via the mini-USB port, serial port or the Ethernet port using a Salcom Configuration Tool, which allows for the setting of all operational parameters.

Key Features:

- Supports NRZ and POCSAG transmissions

- High VSWR tolerance

- 100% duty cycle

- 2 x Direct/RS232 buffered serial port

- USB port

- Mini USB Port

- Four discrete inputs

- POCSAG encoder (programmable on/off)

- RF output through standard BNC termination

- Internal database holds 1,000 RIC/CAP codes to support installations where larger pager numbers are utilised.

- RIC/CAP code import from .CSV or Text file

- 512 / 1200 / 2400 Baud

- Buffered messages

- Input timing control (watchdog)

- Programmable de-bounce control

- Protocols: Salcom / TAP (PET) / ASCOM / ESPA 4.4.4 AUSTCO / SCOPE / COMP1 / COMP2 / Match / TNPP

- NZS/AS4769, ETS 300 224 (EC), FCC Pt 90.203 approvals

Designed in New Zealand

A Salcom designed system

www.salcom.com

Frequency Range	148 - 164MHz - VHF 427.5 - 475MHz - UHF
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	100%;
Baud Rates	512, 1200, 2400
Message Format	POCSAG
Configuration Application	20-62 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), Ethernet
Connectors	Serial Port (RS232) x 2 = RJ12 (6P6C) x 2 Input / Outputs = RJ45 (8C) Programming = mini USB TCP/IP
Power Connector	2-way plug & socket, screw connections
Environmental Protection	Not suitable for outdoor use and should be protected from adverse environmental conditions
Operating Temperature	-20ºC to +50ºC (-4ºF to +122ºF)
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	130mm x 31mm x 125mm (WxDxH)
Enclosure Material	Extruded aluminium
Colour	Dark Blue
Type Approvals	AS/NZS 4769.1:2000 + Amendment 1:2002 (RF) (to follow) EN 300-224-2 (RF) (to follow) FCC CFR47 Part 90 (RF) (to follow) EN 301 489-2 V2.1.0 (EMC)(to follow) EN 60950-1:2006 (Safety) (to follow)

Programming software will be available for free download at: www.salcom.com/products/page/20-62

Support: Tel: +64 (0)3 379 2298   Email: sales@salcom.com

NB: All specifications and applications are indicative only and subject to change without prior notification.