



The NEW T800SL2 Base Station



High Performance Low Cost

T800 RF Performance and
continuous duty at an
economical price.

- 25 Watt Continuous Duty Cycle from -30°C to +60°C
- Dependable reliability on the busiest or the most remote sites
- Quick installation. The T800SL2 is shipped fully assembled
- Tone Remote Option



T800SL2 with optional Tone Remote



THE NEW T800SL2: PERFORMANCE WITHOUT COMPROMISE

TAIT
T800SL2



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GENERAL SPECIFICATIONS *

Power Supply Requirements	85 - 265VAC or 13.8VDC	
Operating Temperature	-30°C to +60°C	
Frequency Stability	1.5ppm	
Dimensions	3U, 19" Rack Frame	
	Transmitters	Receivers
Frequency Range	400-520MHz	400-530MHz
Rated Power	25W Continuous Duty (5-25W adjustable)	
Channel Spacing	12.5kHz, 20kHz, 25kHz	12.5kHz, 20kHz, 25kHz
No. of Channels	128 Channels serial programmable	
Current Consumption	Transmit 5A, Standby 150mA	Standby 350mA
Audio Response	flat or pre-emphasis/ de-emphasis	(6dB/octave)
Band Spread	8MHz	5MHz
FM Hum and Noise	55dB(25kHz) 50dB(12.5kHz)	55dB(25kHz) 50dB(12.5kHz)
Conducted Spurious Emissions	-36dBm to 1GHz	
Audio Line Distortion	<2%	<2%
Audio Output		+10dB @600ohms
Receiver Sensitivity		-117dBm
Spurious Response Rejection		100dB
Selectivity		90dB
Intermodulation		85dB
Technical Compliance Meets or exceeds	ETS300-086 (RF) ETS300-113 (data) ETS300-219 (tone calling) ETS300-279 (EMC) FCC & RSS requirements CTCSS per channel	ETS300-086 (RF) ETS300-219 (tone calling) ETS300-279 (EMC) FCC & RSS requirements
Standard Features	8 programmable output lines per channel 3 programmable timers (tail,time-out and lock-out) Voice or data compatible Configurable audio processor Fast key-up option Hand Microphone operation Opto-dc or loop keying	CTCSS per channel 8 programmable output lines per channel VCO out-of-lock indicator Noise or carrier squelch Metering outputs Voice or data compatible Configurable audio processor
Options	DCS, Selcall	RSSI

AC Tone Remote Option

Features	<ul style="list-style-type: none"> • 2 or 4 wire operation – with ETSI CTR 15/17 line approval • Programmable for most common 3rd party vendor consoles - Motorola, Zetron, IDA, Vega, etc. • Motorola Guard-Tone™ mode of operation, 1 or 2 function tones • Single key-tone mode of operation (Choice of 8 tones) • Tx Key • Channel Change (128 Channels) • Rx CTCSS defeat / Monitor (latched / momentary - time is configurable) • Tx/Ex CTCSS defeat (either latched or momentary) • Repeater talk-through and line-base modes set, reset and toggled remotely, or from the front panel • Momentary channel monitor after function tones • Morse Code ID generated to radio – for station identification in North America • Simple line level adjustment for operation at wide range line levels
Alarm Monitoring	<ul style="list-style-type: none"> • Tx fwd power, Tx rev power, low battery, line fail detect (Configurable time expiry between line commands) and four auxiliary inputs • Alarms are enabled and given an action using PGM800. The action can be the generation of a 5 tone sequence (up to 14 tones long) from commonly used tone sets. The action is encoded to line or radio or both. A pip tone can also be added to the tail of all messages • Alarms are latched and can be reset either by a function tone sequence or from the front panel • Alarm pip tone may be cancelled by a function tone sequence
Site Control	<ul style="list-style-type: none"> • Four open-collector outputs, set, reset or remotely toggled
Voting Tone Generation	<ul style="list-style-type: none"> • Tone on Idle. A tone is generated to line when the Rx is muted • Sliding Voting tone. A continuously variable tone is generated to line, the frequency of which is proportional to the Rx RSSI. • Six different frequencies are generated to line at set Rx RSSI levels.

Tait is your complete supplier of radio communications equipment, with mobile, portable and infrastructure solutions. Our experience spans 30 years, covering off-the-shelf and customised products, single site systems and complete turnkey systems.

Specifications are subject to change without notice and shall not form part of any contract. They are issued for guidance purposes only. For further information please check with your nearest Tait office or authorized dealer. For full details of Technical Specifications consult the service manual, or request a copy of the Technical Specifications. Tait Electronics Ltd is an ISO 9001 registered supplier. Certificate No.461.



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