



COMMERCIAL

25 watt Mobile Radio IP67 Ingress Protected

- TX4800V 148 MHz - 174 MHz
- TX4800UL 403 MHz - 480 MHz
- TX4800U 450 MHz - 520 MHz



The TX4800 series mobile radio is unique, it is the only IP67 rated 25 watt commercial mobile radio that is manufactured in Australia. Compact, powerful, robust and reliable, the TX4800 provides the perfect communications solution for our harsh Australian environments.

The TX4800 is especially suitable for demanding customer uses like life saving, search and rescue, mining and exploration, offshore drilling, water and motor sports and all dust and dirt environments.

With a chassis depth of only 70 mm, the TX4800 is also one of the smallest 25 watt commercial radios available. Designed and built in Australia, the TX4800 is the right choice when reliable communications cannot be compromised.

- 500 Channels in 50 user defined zones
- Broad frequency coverage VHF 148-174 MHz, UHF 400-480 MHz, 450-520 MHz.
- All format selective call including individual, group and all call.
- Linear signal strength readout
- RSSI voting to automatically select the strongest repeater channel.
- Non volatile memory retains all user settings
- DTMF for PABX interface
- Fully backlit controls and keys
- Multiple preset squelch settings
- Multiple user defined soft keys
- Scanning in open or group scan modes
- CTCSS for dynamic work groups
- Latest surface-mount technology and reflow soldering techniques add to the reliability.
- 2 year GME warranty





General	
Compliant Specification:	Compliant with Australian Test Standard AS4295
Frequency Bands:	148 - 174 MHz 403 - 480 MHz 450 - 520 MHz
Number of Channels:	500 channels in 50 programmable user groups
Channel Spacing:	25 kHz / 12.5 kHz / 6.25 kHz
Frequency Stability:	2.5 ppm UHF 5 ppm VHF (-10 to +60)
Modulation:	Direct FM
Operation Mode:	Simplex or half duplex with repeater talk-around
Scanning Speed:	Selectable 50/100/200 ms per channel
Antenna Impedance:	50 Ohms nominal
Antenna Connector:	BNC (chassis mount)
Nominal Voltage:	12 volts DC negative earth
Operating Voltage Range:	10.8 - 15.6 volts
Test Voltage:	13.8 volts DC
Reverse Polarity Protection:	Diode crowbar
D.C. Current:	0.3 amps receive (power save < 60 mAh) 6 amps (UHF) transmit into 50 Ohms
Operating Temperature Range:	-10 °C to +60 °C

Transmitter	
RF Output:	High: 25 watts max Low: 5 watts adjustable
Transmit Duty Cycle:	25% at maximum output (25 watts)
RF Switching Bandwidth:	VHF 26 MHz, UHF > 70 MHz
Deviation Limiting:	±2.5 kHz or ±5 kHz at +20 dB AF limiting
Pre-Emphasis:	+6 dB per Octave, +1 dB -3 dB, 300 Hz to 3 kHz
AF Distortion:	3% below limiting
Residual Modulation:	-40 or -45 dB

Receiver	
Sensitivity:	-122 dB for 12 dB SINAD (CCIR)
Spurious Output:	< -75 dBc
Circuit Type:	Double conversion superheterodyne
RF Switching Bandwidth:	VHF - 26 MHz, UHF - >70 MHz
Intermediate Frequencies:	1st: 21.4 / 38.85 MHz 2nd: 450 kHz
IF Bandwidth:	15 / 7.5 kHz WB/NB
Adjacent Channel Selectivity:	-73 dB
Intermodulation:	74 dB
Blocking:	> 100 dB
Spurious Rejection:	> 75 dB
Audio Power:	4 watts average into 4 Ohms
Audio Signal to Noise:	> 45 dB unweighted
Conducted Spurious Emission:	< -80 dBm
Dimensions:	165 (W) x 65 (H) x 75 (D) mm
Weight:	614 grams

Specifications are subject to change without notice. They are issued as a guide only and shall not form part of any contract without the express written authorisation of GME.

Accessories supplied

Mounting cradle and screw pack

Microphone

Microphone clip

DC power lead



Optional accessories

MK001B - Flush mount kit



MDB002B - Din flush mount bracket



SPK07 - Dust and water resistant speaker with Mylar cone. 2 watt nominal at 8 Ohm.



Authorised Dealer:

A Division of

Standard Communications Pty. Ltd.

Locked Bag 2086 North Ryde NSW 1670, Australia.

Phone: +61 (0)2 9844 6666 Fax: +61 (0)2 9844 6600

SYDNEY: (02) 9879 8888

MELBOURNE: (03) 9798 0988

BRISBANE: (07) 3278 6444

PERTH: (08) 9455 5744

ADELAIDE: (08) 8234 2633

AUCKLAND: (09) 274 0955



ISO 9001: 2008
AU9710906
List of certified
characteristics available
at www.sgs.com