



COMMERCIAL

25 Watt Mobile Radio Ingress Protected
TX4800V 148 MHz - 174 MHz
TX4800U 450 MHz - 520 MHz



AUSTRALIAN
Design & Manufacture



GME offers advanced technology in a simple to use package. Tiny but tough, the TX4800U/V boasts ingress protection to IP67 making it ideal for use in the harshest of Australian industries like mining, trucking, dredging, offshore drilling, search and rescue and surf life saving. With 500 channels in 50 programmable groups, the TX4800U/V provides reliable communications when you need it the most.

- > Compact, lightweight and rugged.
- > Ingress protected to IP67.
- > Large easy to read LCD display.
- > 500 channels in 50 programmable user groups (unrestricted) 9 digit alpha tagging.
- > Broad UHF band coverage 450-520 MHz UHF, 148-174 MHz VHF.
- > 25 watt output switchable to 5 watt.
- > CTCSS, DCS, DTMF and 5 tone selective call.
- > Standard multi-trunk and RSSI voting.
- > External speaker output for high noise conditions.
- > 2 year GME warranty





General	
Compliant Specification:	Compliant with Australian Test Standard AS4295
Frequency Bands:	148 - 174 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

Transmitter	
Operating Temperature Range:	-10 °C to +60 °C
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 Spurious Outputs:	-122 dB for 12 dB SINAD (CCIR) < -75 dBc (Compared to carrier)
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
Sensitivity:	-121 dBm for 12 dB SINAD unweighted
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:	29 (H) x 127 (W) x 163 (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:

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ISO 9001: 2008
AU970906
List of certified characteristics available at www.sgs.com

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