



**Super Compact UHF CB Radio**  
#TX3100

**5 YEAR WARRANTY**

www.gme.net.au

**DESCRIPTION**

The GME TX3100DP UHF CB radio is Australian designed and is one of the most advanced UHF Citizen Band radios available. Combining the very latest in electronic hardware with the most up-to-date computer aided design and manufacturing techniques to produce an extremely compact mobile radio with outstanding specifications and performance. The TX3100DP, with its front mounted controls, is designed for unobtrusive mounting in modern vehicles.



Its innovative features include a built-in loud speaker housed within an extremely compact case.

**SPECIFICATIONS**

**GENERAL SPECIFICATIONS**

<b>Compliant Specifications</b>	• AS/NZS 4365:2010	<b>Nominal Battery Voltage</b>	• 13.8 Volts DC
<b>Frequency Range TX</b>	• 476.425 - 477.4125 MHz	<b>Operating Voltage Range</b>	• 10 - 15 Volts DC
<b>Number of Channels</b>	• 80 UHF CB	<b>Overvoltage Protection</b>	• 25V DC Max, (Hi DC Flash @ 18V DC)
<b>Channel Spacing</b>	• 12.5 kHz	<b>Overcurrent Protection</b>	• In-Line 2A Fuse
<b>Operation Mode</b>	• Simplex (1-80), Semi Duplex (1-8, 41-48)	<b>Reverse Polarity Protection</b>	• Shunt Diode
<b>Scanning Speed</b>	• 20 Channels per Second	<b>Frequency Stability</b>	• +/- 2.5 PPM
<b>Antenna Impedance</b>	• 50 Ohms Nominal	<b>Dimensions</b>	• 102mm W x 87mm D x 23mm H

**TRANSMITTER SPECIFICATIONS**

<b>RF Output</b>	• 5 Watts Max	<b>Maximum Deviation</b>	• < +/- 2.5 kHz at +20 dB Limiting
<b>Spurious Emission</b>	• < -70 dBc	<b>Transmit Frequency</b>	• +6 dB per Octave 300 Hz to 3 kHz +1-3 dB
<b>Modulation</b>	• FM	<b>Current Consumption</b>	• 1.5 Amps with 50 Ohms Termination

**RECEIVER SPECIFICATIONS**

<b>Intermediate Frequencies</b>	• 1 <sup>st</sup> - 38.85 MHz, 2 <sup>nd</sup> - 450 kHz	<b>Spurious Response Immunity</b>	• 70 dB
<b>Sensitivity</b>	• -123 dBm for 12 dB SINAD Unweighted	<b>Audio Output Power</b>	• 3W Average into 4 Ohms
<b>Selectivity</b>	• -6 dB at +3.5 kHz, -60 dB at +/- 12.5 kHz	<b>Audio Signal to Noise</b>	• > 45 dB
<b>Intermodulation Immunity</b>	• 73 dB	<b>Current Consumption</b>	• < 180 mA Muted 600 mA Full Volume
<b>Blocking Immunity</b>	• 100 dB	<b>Conducted Spurious Emission</b>	• < -57 dBm