



COMMERCIAL

TAKING CARE OF BUSINESS

TX3820U/V

25 watt **RSSI** voting mobile

TX3820U 450-520 MHz / **TX3820V** 136-174 MHz



TX3820U/V

LOCAL CONTROL VERSION

Flash upgradeable and programming means that the TX3820U/V can cope with any future operational requirements. The compact modular design provides a flexible approach to installation especially in today's modern vehicles and a rugged die-cast chassis means that the TX3820U/V will deliver reliable communications in the harshest of environmental conditions. For a traditional DIN sized console, a mounting adaptor kit will allow the TX3820U/V to be installed or removed easily.

Possibly the smallest 25-watt commercial two-way radio, the TX3820U/V also boasts a full range of calling options and a host of practical user functions including an inbuilt speaker, which can be mounted facing up or down to take full advantage of the clear, powerful audio.

Remote mount versions



TX3820UB (UHF) or
TX3820VB (VHF)



Base unit using
the RH004
control head and
MC513BC mic.

Key features

Compact local control

RSSI voting

256 channels

GPS interface for position reporting

All format 5 tone selective calling

MDC1200 compatible signaling with
programmable functions

CTCSS / DCS

Dedicated duress alarm with colour
coded key

Selectable soft key functions

Microphone ready for hook
switch options

Expanded look up table

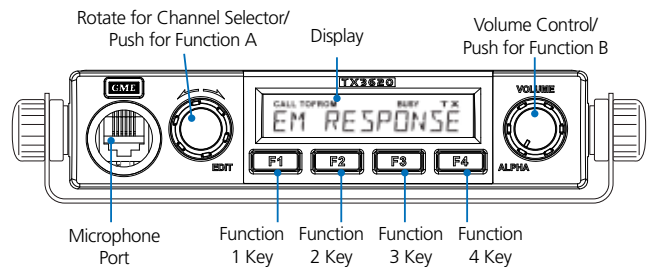


TX3820U/V SPECIFICATIONS

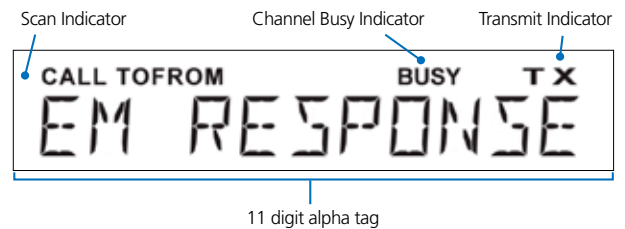
GENERAL	
Compliance:	Compliant with AS4295
Frequency Bands:	UHF- 450 to 520 MHz, VHF- 136 to 174 MHz
Number of Channels:	256
Channel Spacing:	25 kHz, 12.5 kHz (narrowband)
Channel Step:	6.25 kHz
Frequency Stability:	+/- 1 kHz
Modulation:	FM
Operation Mode:	Simplex, Half Duplex
Scan Speed:	50 ms/100 ms/200 ms
Antenna Impedance:	50 Ohms
Antenna Connector:	BNC
Nominal Voltage:	12V DC Negative Earth
Operating Voltage:	10.8 V to 15.6 V
Test Voltage:	13.8 V DC
Reverse Polarity:	Diode Crowbar
Over Voltage Protection:	18 V Crowbar
Current TX 25W / 5W:	RX muted 0.2A TX 25 Watts 6A (UHF) 5A (VHF)
Transmitter	
RF Output:	H: 25W L: 5W (adj.)
TX Duty Cycle:	1:4 for 25W Output
RF Switching BW:	UHF - 70 MHz, VHF - 38 MHz
Deviation Limiting:	5 kHz / 2.5 kHz @ + 20 dB
Pre-Emphasis:	+6 dB/oct + 1/-3 dB 300 Hz to 3 kHz
AF Distortion:	3% Below Limiting
Residual Modulation:	-45 dB
Spurious Outputs:	<-75 dBc
Receiver	
Circuit:	Double Conversion
Intermediate Frequencies:	UHF 45MHz, 455 kHz, VHF 21.4 MHz, 450 kHz
Sensitivity (12 dB SINAD):	-122 dBm
Adjacent Channel Selectivity:	73 dB, 65 dB (narrowband)
Intermodulation Rejection:	74 dB
Blocking:	> 100 dB
Spurious Rejection:	> 75 dB
RF Switching Bandwidth:	UHF - 70 MHz, VHF - 38 MHz
Audio Power:	3W into 4 Ohms
Mechanical	
Local control dimensions:	29 (H) x 127 (W) x 175 (D) mm
Weight:	620 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.

Front panel controls



Front panel LCD indicators



Microphone types

MODEL	TYPE
MC522BC	Remote LCD
MC540BC	Full keypad
MC513BC	Standard microphone
MC516BC	IP67 microphone

Accessories supplied

Mounting cradle	Microphone clip
Screw pack	DC power lead
Microphone	Instruction manual

Optional accessories

MBD001 - DIN adapter kit

Authorised Dealer:

1300 463 463 gmecommercial.com

A division of Standard Communications Pty Ltd.
New Zealand: (09) 274 0955 All other international enquiries email: export@gme.net.au



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

