

# UHF280

Compact UHF CB with  
Controller Speaker Microphone



## Key Features

- 5.0 Watts (max TX power)
- 80 Narrowband Channels\*
- Controller Speaker Microphone scanner (400 – 512MHz)
- 8500+ Receive frequencies
- 200 user programmable receive only channels
- 5 Digit Selcall ID with alpha display
- 38 CTCSS and 104 DCS Codes
- Tri colour backlit LCD display (Amber/Red/Green)
- Duplex (range extender)
- Open/Group/Priority Scan
- Priority channel
- Large easy to read LCD display
- Digital squelch control
- Busy channel lockout
- Rugged chassis construction with external heat sink
- One 3.5mm external speaker connections (external speaker not supplied)
- Requires external antenna (not supplied)

## Pack Includes;

- In-vehicle UHF CB Radio transceiver
- Controller Speaker Microphone plus microphone hanger
- Power cable with in-line fuse



WARRANTY

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80  
CHANNELS

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Connecting you now.

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## UHF280 Technical Specification

Compliance	AS/NZS 4365:2011
Frequency Range TX	476.425 - 477.4125 MHz
Frequency Range RX	400 - 512MHz
Number of TX/RX Channels	80 UHF CB
Number of user programmable RX only Channels	200
Channel Spacing TX/RX	12.5KHz
Wide Band Scanner	400~512, 400~420, 420~450, 450~470, 470~512 MHz
Operating modes	Simplex, Repeater TX offset (+750kHz)
Selcall ID	5 Digit with alpha display
Scanning Speed	130 msec per channel
Antenna Impeadance	50 Ohms
Operating Volts nominal	13.8 VDC
Operating Volts Range	10 to 15 VDC
Over Voltage Protection	Diode and voltage regulator
Over Current Protection	2 Amp fuse
Reverse Polarity Protection	Shunt diode
Frequency Stability	+/- 5ppm
<b>Transmitter</b>	
RF Output Power	Nominal 5watts
Modulation	F3E (FM)
Maximum Deviation	2.5kHz
Spurious Emissions	< -30 dBm
TX Audio pre-emphasis	+ 6dB/octave from 300Hz to 3kHz
Current Consumption during TX	1.6 Amps with 50 Ohm antenna termination
<b>Reciever</b>	
Circuit Type	Dual conversion superheterodyne
IF Frequencies	1st IF = 30.85MHz , 2nd IF = 450kHz
Current Consumption during RX	200mA
Sensitivity	< -123dBm at 12dB SINAD
Sensitivity Receive only channels	< -110dBm for 12dB SINAD
Selectivity	+/-3.75kHz min @ 3dB to +/-15kHz max @ 40dB
Intermodulation Immunity	> 70dB
Spurious Immunity	> 70dB
Audio Output Power	3 Watts Maximum
RX Audio de-emphasis	-6dB/octave 300Hz to 3kHz
Audio frequency response	300Hz to 3kHz
External speaker jacks	One on transceiver one on head unit for optional 8 Ohm mono speaker (3.5mm jack.)
<b>Transciever</b>	
Dimensions	135 (d) x 110 (w) x 29 (h) mm
Weight	420g

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\*This 80 channel narrowband radio communicates with 40 channel radios on the first 40 channels (1 to 40) but has another 40 channels (41 to 80) which will communicate with new 80 channel narrowband radios. In total there are 75 useable Narrowband voice channels. Voice communications are prohibited on Channels 22 and 23 as they are used for Telemetry and Telecommand. Channels 61,62 and 63 are guard channels and are not available for use. Channel 5 and 35 (paired for Duplex repeaters) are emergency channels and should be used only in an emergency. The CTCSS and DCS function are not allowed to operate on these channels. A list of currently authorised channels can be obtained from the ACMA website in Australia and the MED website in New Zealand. There are 8 Repeater channels 1 to 8 output (31 to 38 input ). Additional repeater channels 41-48 input and 71-78 output are now also available. This radio is user upgradable at no cost to allow repeater use on channels 41-48 and 71-78. Details are available on our website on how to upgrade the radio. Any designated repeater channel may be used for simplex operation in areas where it is not in operational range of a CB repeater station.