

# UHF050

5 Watt Compact UHF CB Radio



## Key Features

- 40 channels\*
- 60 user programmable receive channels
- 38 CTCSS & 104 DCS codes
- Duplex
- Rugged construction
- Compact size with DIN mount bracket (included)
- Heavy duty microphone plug
- Open/Group/Priority scanning
- Large easy to read LCD display
- Multi-colour backlit display (orange & green)
- Microphone with backlit keys
- Digital signal strength indicator
- Rotary channel, squelch & volume control
- Busy channel lock
- Call tones
- Emergency channel button
- Remote speaker jack

## Pack Includes;

- In-vehicle UHF CB Radio
- Microphone
- DIN mounting bracket



[www.oricom.com.au](http://www.oricom.com.au)

60RX

## 60 RECEIVE ONLY CHANNELS

Allows you to program in other channels in the UHF frequency between 450MHz to 512MHz and monitor transmissions.

 oricom™

# UHF050

## 5 Watt Compact UHF CB Radio



### UHF050 Technical Specification

Compliance	AS/NZS 4365:2002, AMND1:2007, AMND2:2008
Frequency Range TX	476.425 - 477.4 MHz
Frequency Range RX	450 to 512MHz
Number of Channels	40 UHF CB + 60 Receive only channels
Channel Spacing TX/RX	25KHz
Channel Spacing RX	12.5KHz
Operating modes	Simplex, Duplex
Scanning Speed	125msec/per channel
Antenna Impedance	50 Ohm
Operating Voltage	13.8 VDC
Operating Voltage Range	10.8Volt to 15.6Volt
Over Voltage Protection	Automatic voltage regulator controlled
Over Current Protection	2 Amp in line fuse
Reverse Polarity Protection	Shunt Diode
Frequency Stability	+/- 2.5ppm
<b>Transmitter</b>	
RF Output Power	5 Watts max.
Modulation	FM
Maximum Deviation	+/- 5KHz
Spurious Emissions	Less than -30dBm
Tx Frequency Response	+1 to -3dB of 6dB/octave from 300Hz to 3000Hz
Audio Signal to Noise Ratio	more than 35dB
Current Consumption during TX	1.5 Amps with 50 Ohm termination
<b>Receiver</b>	
Circuit Type	Dual conversion superheterodyne
Intermediate Frequencies	1'st IF = 30.85MHz , 2'nd IF = 450KHz
Current Consumption during RX	170mA with audio mute on
Sensitivity	more than -118dBm at 12dB SINAD
Selectivity	more than 70dB
Intermodulation Immunity	more than 70dB
Spurious Response Immunity	more than 60dB at IF/2
Audio Power	Maximum 3 watt
Audio Signal to Noise Ratio	More than 35dB
Receive Frequency Response	+1 to -3dB of 6dB/octave from 300Hz to 3000Hz
Conducted Spurious Emissions	Less than -57dBm at 9KHz to 2

**100% Australian Owned Company**

\*Channels 22 & 23 are reserved for Telemetry and Telecommand use only, voice communications are not permitted on these channels. oricom™ is the trademark of Oricom International Pty Ltd

