

UHF058

5 Watt Compact UHF CB Radio



Key Features

- 80 Narrowband 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



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60RX

60 RECEIVE ONLY CHANNELS

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

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Connecting you now

UHF058

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UHF058 Technical Specification

Compliance	AS/NZS 4365:2002, AMND1:2007, AMND2:2008
Frequency Range TX	476.425 - 477.4125 MHz
Frequency Range RX	450 to 512MHz
Number of Channels	80 UHF CB + 60 Receive only channels
Channel Spacing TX/RX	12.5kHz
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	Series Diode
Frequency Stability	+/- 2.5ppm
Transmitter	
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
Receiver	
Circuit Type	Dual conversion superheterodyne
Intermediate Frequencies	1'st IF = 21.4MHz, 2'nd IF = 450KHz
Current Consumption during RX	170mA with audio mute on
Sensitivity	less 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

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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.