

# UHF088

5 Watt Din Sized UHF CB Radio



## Key Features

- 5.0 Watts (max TX power)
- 80 Narrowband channels\*
- 60 user programmable receive only channels
- 38 CTCSS & 104 DCS codes
- Duplex (range extender)
- Rugged construction
- Heavy duty microphone plug
- Memory/Priority scanning
- Dual watch
- Priority channel
- Up/down channel select on microphone
- Graphic strength signal
- 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 out
- Call tones
- Emergency channel quick select
- 3.5mm External speaker connection (for optional speaker)
- Front facing speaker
- Requires external antenna (not supplied)

## Pack Includes;

- In-vehicle UHF CB Radio
- Microphone
- Microphone hanger bracket
- Din mounting kit
- Power cable with in-line fuse



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### UHF088 Technical Specification

Compliance	AS/NZS 4365:2011
Frequency Range TX	476.425 - 477.4125MHz
Frequency Range RX	450 - 512MHz
Number of TX/RX Channels	80 UHF CB
Number user programmable of RX Only Channels	60
Channel Spacing TX/RX	12.5KHz
Operating modes	Simplex, Repeater TX offset (+750kHz)
Wideband scanner bands	450-512mHz
Scanning Speed	250 ms per channel
Antenna Impedance	50 Ohms
Operating Volts Nominal	13.8 VDC
Operating Volts Range	10 - 15 VDC
Over Voltage Protection	Diode and voltage regulator
Over Current Protection	2 Amp fuse
Reverse Polarity Protection	Series Diode
Frequency Stability	+/- 5ppm
<b>Transmitter</b>	
RF Power Output	Nominal 5.0 Watts
Modulation	F3E (FM)
Maximum Deviation	2.5kHz
Spurious Emissions	< -30dBm
TX Audio pre-emphasis	+6dB per octave 300Hz to 3kHz
Audio Signal to Noise Ratio	> 35dB
Current Consumption during TX	1.6 Amps with 50 Ohm antenna termination
<b>Receiver</b>	
Circuit Type	Dual conversion superheterodyne
IF Frequencies	1st IF = 30.85MHz, 2nd IF = 450kHz
Current Consumption during RX	170mA
Sensitivity	< -123dBm for 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 Signal de-emphasis	-6dB per octave 300Hz to 3 kHz
Audio frequency response	300Hz to 3kHz
Dimensions	Transceiver 150 (d) x 180 (w) x 50 (h) mm (DIN Car Radio size)
Weight	approx 900g

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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.