

UHF100

Compact UHF CB with Remote Head



Key Features

- 5.0 Watts (max TX power)
- Ultra compact remote head and transceiver
- Heavy duty microphone with volume and channel control
- Wide band scanner (400 – 512MHz)
- 8500+ Receive frequencies
- 200 programmable receive only channels
- 5 Digit Selcall ID with alpha display
- CTCSS and DCS
- Tri colour backlit LCD display (Amber/Red/Green)
- Duplex (range extender)
- Open/Group Scan
- Digital squelch control
- Busy channel lockout
- Rugged chassis construction with integrated heat sink
- Two external speaker jacks (external speaker not supplied)
- Requires antenna (not supplied)

Pack Includes;

- In-vehicle UHF CB Radio transceiver
- Remote head unit
- Microphone plus microphone hanger
- Power cable and in-line fuse
- 2 mounting brackets and fittings



Optional controller microphone
CSPKMIC (not supplied).



WARRANTY

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UHF100 Technical Specification

Compliance	AS/NZS 4365:2002, AMND1:2007, AMND2:2008
Frequency Range TX	476.425 - 477.40 MHz
Frequency Range RX	400 - 520MHz
Number of Channels	40 UHF CB + 200 Receive only channels
Channel Spacing TX/RX	25KHz
Channel Spacing RX	12.5KHz
Wide Band Scanner	400MHz to 512MHz (8960ch 12.5khz), Default: 400 -512MHz full band, Band A: 400~420Mhz, Band B: 420~450Mhz, Band C: 450~470Mhz, Band D 470~512Mhz
Operating modes	Simplex, Duplex
Scanning Speed	130 msec/per channel
Antenna Impeadance	50 Ohms
Nominal Battery Voltage	13.8 VDC
Operating Voltage Range	10 Volt to 15 Volt
Over Voltage Protection	RF power automatically reduces at 18V DC. The display flashes and menu items are rotated on display
Over Current Protection	2 Amp in-line fuse
Reverse Polarity and Over Current/Heat Protection Circuit	Shunt diode & Regulator IC
Frequency Stability	+/- 5ppm
Transmitter	
RF Output Power	5.0 Watts max.
Modulation	3FE (FM)
Maximum Deviation	< 5KHz at 20dB up limiting
Conducted Spurious Emissions	< 58 dBm
TX Frequency Response	+ 6dB/octave from 300Hz to 3000Hz + 1-3dB
Audio Signal to Noise Ratio	> 40dB
Current Consumption during TX	< 1.6 Amps with 50 Ohm termination
Reciever	
Circuit Type	Dual conversion superheterodyne
Intermediate Frequencies	1'st IF = 30.85MHz , 2'nd IF = 450KHz
Current Consumption during RX	200mA with audio mute on and backlight off
Sensitivity	> -123dBm at 12dB SINAD
Selectivity	-6dB at +/- 7.5KHz, - 70dB at +/- 25KHz
Intermodulation Immunity	70dB
Spurious Response Immunity	70dB
Audio Power	3 watt Maximum
Audio Signal to Noise Ratio	> 45dB
Receive Frequency Response	6dB/octave de-emphasis 300Hz to 3000Hz +1 -3dB
Conducted Spurious Emissions	< -57dBm
External speaker jacks	One on transceiver one on head unit for optional 8 Ohm mono speaker (3.5mm jack.)
Remote head (only)	
Dimensions	30 (d) x 110 (w) x 29 (h) mm
Weight	150g
Transciever	
Dimensions	135 (d) x 110 (w) x 29 (h) mm
Weight	420g

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