

TPS9

# TYRE PRESSURE

MANAGEMENT SYSTEM



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Featuring one of the largest backlit LCD displays in the Australian handheld radio market, the ULTRA550 is super compact and fits comfortably in the palm of your hand.

## KEY FEATURES

- Water and dust proof IP67
- Compact radio with large backlit LCD display
- Switchable RF power (high: 5 watt, low: 1 watt)
- 3 Programmable instant channel buttons
- 80 channels<sup>†</sup>
- Fast charge technology supplied with 240v and 12v adaptors
- Open/instant/priority scan
- Die-cast metal chassis
- Duplex (range extender)
- Signal monitoring
- Triple watch
- Audio scrambler
- Key lock function
- Squelch tail on/off
- 38 CTCSS and 104 DCS codes
- High-capacity Lithium-ion battery pack (2600mAh) with up to 30 hours operating time<sup>^</sup>
- Rotary volume control
- 2.5mm jack socket with locking screw for optional accessories
- Designed, engineered and produced in Korea

## TECHNICAL SPECIFICATION

### GENERAL

Compliance	AS/NZS 4365:2011 and NZS2772.1
Frequency Range TX/RX	476.425 - 477.4125 MHz
Number of Channels	80 UHF CB (75 Usable) <sup>†</sup>
Channel Spacing TX/RX	12.5KHz
Channel Spacing RX	12.5KHz
Operating modes	Simplex, Duplex
Scanning Speed	150msec/per channel
Antenna Impedance	50 Ohm
Battery Capacity	7.4V,2600mAhLi-ionBattery. Operating time up to 20hrs on High TX power, 30hrs on Low TX power with antenna.
Frequency Stability	+/- 2.5ppm

### Transmitter

RF Output Power	5 Watts max.
Modulation	FM
Maximum Deviation	+/- 2.5KHz
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

### Receiver

Circuit Type	Direct conversion by Single DSP chip
Intermediate Frequencies	IF = 137KHz
Sensitivity	Less than -122dBm at 12dB SINAD
Selectivity	more than 70dB
Intermodulation Immunity	more than 70dB
Spurious Response Immunity	more than 60dB
Audio Signal to Noise Ratio	More than 50dB
Receive Frequency Response	+1 to -3dB of 6dB/octave from 300Hz to 3000Hz
Conducted Spurious Emissions	Less than -57dBm at 9KHz



\*3 year warranty excludes battery

<sup>^</sup>30 hours operating time using low power, 20 hours using high power with antenna. Duty cycle; 5% transmit, 5% receive and 90% standby.

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