



## XRS™ UHF CB Radio With Bluetooth® & GPS #XRS-390CB

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### DESCRIPTION

The XRS-390C is the first UHF CB radio to feature a built-in GPS receiver. This capability is particularly useful in commercial applications where location tracking of users is required for workplace safety.

Featuring IP67 Ingress Protection and a MIL-STD810G rating, the XRS-390C is our toughest radio yet.

### TECHNICAL SPECIFICATIONS

#### GENERAL SPECIFICATIONS

<b>Compliant Specifications</b>	• AS/NZS 4365	<b>Operating Voltage Range</b>	• 10 - 16 Volts DC
<b>Frequency Range TX</b>	• 476.425 - 477.4125 MHz	<b>Battery Polarity</b>	• Negative Earth
<b>Number of Channels</b>	• 80	<b>Standard Test Voltage</b>	• 13.8 Volts DC
<b>Channel Spacing</b>	• 12.5 kHz	<b>Overvoltage Protection</b>	• 30V DC Max, (Hi DC Flash @ 18V DC)
<b>Operation Mode</b>	• Simplex or Half Duplex with Repeater	<b>Reverse Voltage Protection</b>	• Diode Crowbar
<b>Scanning Speed</b>	• 25 ms per Channel (50 channels/sec)	<b>Overcurrent Protection</b>	• In-Line 2A Fuse
<b>Antenna Impedance</b>	• 50 Ohms Nominal	<b>Operating Temperature</b>	• -10°C to 60°C
<b>Nominal Battery Voltage</b>	• 12 Volts DC	<b>Dimensions</b>	• 29mm H x 128mm L x 92mm D

#### TRANSMITTER SPECIFICATIONS

<b>RF Output</b>	• 5 Watts	<b>Maximum Deviation</b>	• < +/- 2.5 kHz at +20 dB AF Limiting
<b>Spurious Emission</b>	• < -70 dBc	<b>Frequency Response</b>	• +6 dB per Octave 300 Hz to 3 kHz +1-3 dB
<b>Frequency Error</b>	• < +/- 1.5 kHz	<b>Audio Signal to Noise</b>	• > 45 dB Unweighted
<b>Modulation</b>	• FM	<b>Current Consumption</b>	• 1.7A with 50 Ohms Termination

#### RECEIVER SPECIFICATIONS

<b>Intermediate Frequencies</b>	• 38.85 MHz, 450 kHz	<b>Spurious Response Immunity</b>	• 70 dB
<b>Sensitivity</b>	• -122 dBm for 12 dB SINAD Unweighted	<b>Audio Output Power</b>	• 3W Average into 4 Ohms
<b>Selectivity</b>	• -6 dB at +3.5 kHz, -60 dB at +/- 12.5 kHz	<b>Audio Signal to Noise</b>	• > 45 dB Unweighted
<b>Intermodulation Immunity</b>	• -72 dB	<b>Current Consumption</b>	• < 175 mA Muted, 750 mA Full Volume
<b>Blocking Immunity</b>	• -98 dB	<b>Conducted Spurious Emission</b>	• < -70 dBm