



DSP DIN Size UHF
Radio with ScanSuite™
#TX4500S



5
YEAR
WARRANTY

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DESCRIPTION

Now with the new MC553B Rugged Professional microphone, the TX4500S is a full-DIN sized radio and is ideal for installations that require this size standard. The DIN mounting kit is supplied and its compact depth design allows for easy installation in confined spaces. The combination of the front facing speaker, large LCD screen and user controls along with the advanced features such as GME's new ScanSuite™ - made possible by the use of Digital Signal Processing - make the TX4500S the radio of choice for 4WD and heavy vehicle owners.



SPECIFICATIONS

GENERAL SPECIFICATIONS

Compliant Specifications	• AS/NZS 4365	Operating Voltage Range	• 10 - 15 Volts DC
Frequency Range TX	• 476.425 - 477.4125 MHz	Battery Polarity	• Negative Earth
Number of Channels	• 80	Standard Test Voltage	• 13.8 Volts DC
Channel Spacing	• 12.5 kHz	Overvoltage Protection	• 25V DC Max (Hi DC Flash @ 18V DC)
Operation Mode	• Simplex or Half Duplex with Repeater	Reverse Voltage Protection	• Diode Crowbar
Scanning Speed	• 25 ms per Channel	Overcurrent Protection	• In-Line 2 Amp Fuse
Antenna Impedance	• 50 Ohms Nominal	Operating Temperature	• -10°C to 60°C
Nominal Battery Voltage	• 12 Volts DC	Dimensions	• 50mm H x 171mm L x 112mm D

TRANSMITTER SPECIFICATIONS

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

RECEIVER SPECIFICATIONS

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