

Simoco Xd 500 Series

Simoco Xd SDP560 DMR Portable Radio



Standard Features

- ▶ Operates in DMR Tier II and analogue conventional modes
- ▶ Available in VHF and UHF frequency bands
- ▶ Clear loudspeaker 1W
- ▶ Graphic LCD (132 x 65 pixel)
- ▶ TX interrupt
- ▶ All/Group/Individual calls
- ▶ Broadcast calls
- ▶ Emergency alert
- ▶ Normal/Priority scan
- ▶ OTA (Stun/Unstun)
- ▶ Vocoder: AMBE+2
- ▶ Short Data Messaging (pre-programmed canned messages)
- ▶ IP67
- ▶ 2600 mAh battery

The Simoco Xd SDP560 is a digital portable radio that is compact, durable and of high quality which is available in VHF/UHF frequency bands.

It offers clear and loud voice, short data messaging transmit (TX) interrupt and complies with IP67 for waterproofing.

The Simoco Xd SDP560 is a digital portable radio capable of operating across multiple modes, including analogue conventional and digital conventional (DMR Tier II).

The radio provides a cost effective and flexible migration path for organisations managing the transition from analogue to DMR digital.



General Specification

Frequency bands	VHF: 136 - 174MHz UHF: 400 - 470MHz
Channel spacing	12.5 kHz
Operating voltage	7.5V
Frequency Stability	±1ppm
Weight	approx. 275g (w/ standard antenna & battery)
Dimensions (HxWxD)	102.4 x 53 x 36.5mm (w/ standard battery)
Antenna Impedance	50 ohm
Battery*	2600mAh (Li-Ion) 17 hours battery life (@5:5:90)
Operating temperature	-20°C ~ +55°C

Transmitter

RF Power Output	VHF: High: Up to 5W Low: Up to 2W UHF: High: Up to 4W Low: Up to 2W
4FSK Digital Modulation	12.5kHz: 7K60FXD (Data Only) 12.5kHz: 7K60FXW (Data & Voice)
FM Modulation	11K0F3E @ 12.5kHz
FM Deviation	± 2.5kHz @ 12.5 kHz
FM Hum and Noise	40dB @ 12.5kHz
Audio Response	+1 ~ -3dB
Audio Distortion	<5%
Digital Vocoder type	AMBE+2

Receiver

Sensitivity	0.22µV/ BER 5%
Selectivity	60dB @ 12.5kHz
Intermodulation	70dB @ 12.5kHz
Spurious Response Rejection	70dB @ 12.5kHz
Audio Power Output	1W
Audio Distortion	≤3%

Contact Us

UK HQ
Field House
Uttoxeter Old Road
Derby
DE1 1NH
Tel: +44 (0) 1332 375 500
info@simocowireless.com

AUS HQ
1270 Ferntree Gully Rd
Scoresby, VIC 3179
Tel: +61 (0) 3 9730 3999
Fax: +61 (0) 3 9730 3964
inquiry.aus@simocowireless.com

www.simocowirelessolutions.com

simocoXd **DMR** DIGITAL MOBILE RADIO ASSOCIATION **ANALOGUE**

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*Battery performance is dependant on temperature and operational configuration. Specifications are based on standard operating conditions. Not all frequency bands are permissible for every market area. See Simoco Wireless Solutions Product Catalogue for a full list of specifications. All specifications are subject to change without prior notice. Simoco Wireless Solutions does not accept liability for any error or omission in this document.