

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%

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