



SDP660 Advanced Portable Radio

Now with improved durability and increased functionality as standard.

Available for DMR Tier II conventional, DMR Tier III trunked and analogue modes of operation, the SDP660 Advanced offers a rich feature set and improved hardware modifications to the antenna, PTT, battery and keypad.

New, standard features now include;

- Control Channel Hibernation to enable solar powered sites
- Tx Interrupt to allow instantaneous correction of old or incorrect information
- Man Down and Lone Worker for enhanced user safety
- In-radio Geofencing
- Group Presence Checking to increase the capacity of systems
- AES256 Encryption* for protection against eavesdropping
- Dynamic Group Number Assignment to create and remove talkgroups on the fly
- Full Duplex* to allow more natural, flowing conversations and a seamless integration with phone-based users

Optional Extras include;

- Out-of-service GPS* Logging
- MPT1327* to enable terminal-led migration
- OTAP* to allow remote fleet management



Specifications



General

Frequency	AC (136 MHz-174 MHz), TU (400-480 MHz), UW (440-520 MHz)
Dimensions	137 x 64 x 36 mm
Weight	199g (transceiver) 141g (standard battery)
Battery Life	(with standard battery) 12 hours
Power Supply	7.2 V DC nominal
Channel Spacing	12.5 kHz, 25 kHz
Frequency Stability	± 2 ppm
Channel Capacity	2000
Emission Masks	7K60FXD (data), 7K60FXE (voice), 7K60F1W (voice and data) for 4FSK digital modulation, 11K0F3E for 12.5 kHz modulation

Transmitter

RF Output Power ¹	5 W (programmable)
Modulation Limiting	+/-2.5 @ 12.5 kHz, +/-5.0 kHz @ 25 kHz
FM Hum and Noise	40 dB (TIA-603-B)
Conducted / Radiated Emission	-36 dBm
Adjacent Channel Power	-60 dBc @12.5 kHz
Audio Response	+1/-3 dB
Audio Distortion	3% (TIA-603-B)
Digital Vocoder	AMBE+2

Receiver

Analogue Sensitivity	-117.5 dBm (12dB SINAD)
Digital Sensitivity	-117.5 dBm (1% BER)
Intermodulation	65 dB (ETS086-1)
Adjacent Channel Selectivity	60 dB @12.5kHz (ETS086-1)
Spurious Rejection	70 dB (ETS086-1)
Hum and Noise	40 dB (TIA603-B)
Audio Response	+1/-2 dB (0.3-2.55 kHz)
Conducted Spurious Emission	-57 dBm

Environmental

Storage Temperature	-40°C to +80°C
Operating Temperature ²	-30°C to +60°C
IP Rating / Humidity	IP67 (IEC60529)

Options

GPS	L1, TTFF < 60s
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All specifications are subject to change without prior notice.

* Requires a feature license

¹ 5 W RF power 400-470 MHz, 4 W RF power 470-480 MHz.

² Radio only. Battery requires -10°C minimal operating temperature.



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