SD910 Professional DMR Radio

DMR Radios | Model: SD910

The professional DMR radio for missions where failure is not an option — built for military, police and emergency fleets. Same proven platform as the SD630 series in an alternative housing design.



Key features

- DMR digital + analogue dual mode
- IP67 / IP68 waterproof and dustproof
- AES256 voice encryption
- AI noise reduction with automatic mic gain
- Mandown automatic lone-worker safety alarm
- Loud, clear audio for noisy operations
- Remote stun / kill / activation, alarm and monitor
- Emergency alarm, VOX, scan, CTCSS/DCS
- 32 channels (2 zones), 5 W, 308 g
- Wireless cloning and PC programming

Specifications

Frequency range	UHF 400–480 MHz · 350–390 MHz · VHF 136–174 MHz
Channel capacity	32 channels (2 zones)
Channel spacing	12.5 / 25 kHz
Operating voltage	DC 7.4 V ± 10%
Battery	Standard 2000 mAh · optional 2600 / 3500 mAh
Ingress protection	IP67 / IP68 waterproof & dustproof
Operating temperature	−20 °C to +60 °C
Frequency stability	±0.5 ppm
Dimensions · Weight	120 × 55 × 35 mm · 308 g
RF power output	VHF 5 W / 1 W · UHF 4 W / 1 W
FM modulation	11K0F3E @ 12.5 kHz · 16K0F3E @ 25 kHz
Modulation (4FSK)	Data 7K60F1D / 7K60FXD · Audio 7K60F1E / 7K60FXE · Data & audio 7K60FXW
Modulation limiting	±2.5 kHz @ 12.5 kHz · ±5 kHz @ 25 kHz
TX — Hum & noise	≥ 40 dB @ 12.5 kHz · ≥ 45 dB @ 25 kHz

Audio distortion	≤ 3%
Spurious emission	≤ −36 dBm (< 1 GHz) · ≤ −30 dBm (> 1 GHz)
Digital protocol	ETSI TS 102 361-1 / -2 / -3
Sensitivity	Analog 0.22 µV (12 dB SINAD) · Digital 0.25 µV (5% BER)
Adjacent channel selectivity	≥ 70 dB @ 25 kHz · ≥ 65 dB @ 12.5 kHz
Intermodulation rejection	≥ 70 dB @ 25 kHz · ≥ 65 dB @ 12.5 kHz
Audio output power	≤ 1 W
RX — Hum & noise	≥ 40 dB @ 12.5 kHz · ≥ 45 dB @ 25 kHz
Compatible models	To be confirmed
Certifications	To be confirmed

Notes: specifications are taken from the manufacturer's product documentation supplied for this model. Certifications are listed only where that documentation states them; “To be confirmed” means not yet confirmed, not a claim. No price or minimum order quantity is stated in this datasheet — please send an inquiry for pricing, MOQ and samples. SafePTT supplies radios under its own brand from partner factories.