



## SCP9150 Covert Radio

The SCP9150 has been engineered to meet the specific needs of covert radio users. The slim ergonomic lightweight design makes it the ideal body worn radio where concealed and reliable voice communications are required. With unique facilities such as Remote Control, Voice Annunciation and Silent Transmit, the SCP9150 provides an industry leading solution for operational success.



- Slim, ergonomic lightweight design to suit concealed on-body wearing.
- APCO P25 Digital and Analogue operation with encryption.
- Unique remote hand controller for non-visual radio operation.
- Multiple channels, talk groups and encryption codes selectable as required.
- User programmable Silent Transmit for 100% covert voice messages.
- Voice annunciators for all menu and radio control functions.
- Up to 5 Watts transmit power.
- Programmable function buttons.
- Whisper mode voice transmit.
- Multiple covert antenna options.
- Alarm duress facility with discrete in-ear confirmation.



## General Specifications

Dimensions	147 mm (H) x 62 mm (W) x 26 mm (D)		
Weight	270g		
Accessory Interface	Side connector via lead to Covert Audio Accessories		
Antenna Connector	Threaded SMA female		
Channels/Talk Groups	16 Channels		
Modes	P25 conventional digital, P25 analogue		
Digital Encryption	DES-OFB, AES*		
Frequency Bands	136 - 174 MHz 400 - 480 MHz		
Channel Spacing	Programmable 12.5 or 25 KHz		
Battery	Li-ion 1000 mAh or 2000 mAh		
Functions	Voting, scanning, silent transmit		
Analogue Signalling	CTCSS, DCS, DTMF, Scrambler		
Conformance	EN 300 086, EN 300 113, EN 50392, AS4295		
Environmental Standards	MIL-STD-810	F	Method Procedure
	High Temperature		501.4 2 1,
	Low Temperature		502.4 2 1,
	Humidity	507.4	3
	Vibration	514.5	
			1

## Transmitter Specifications

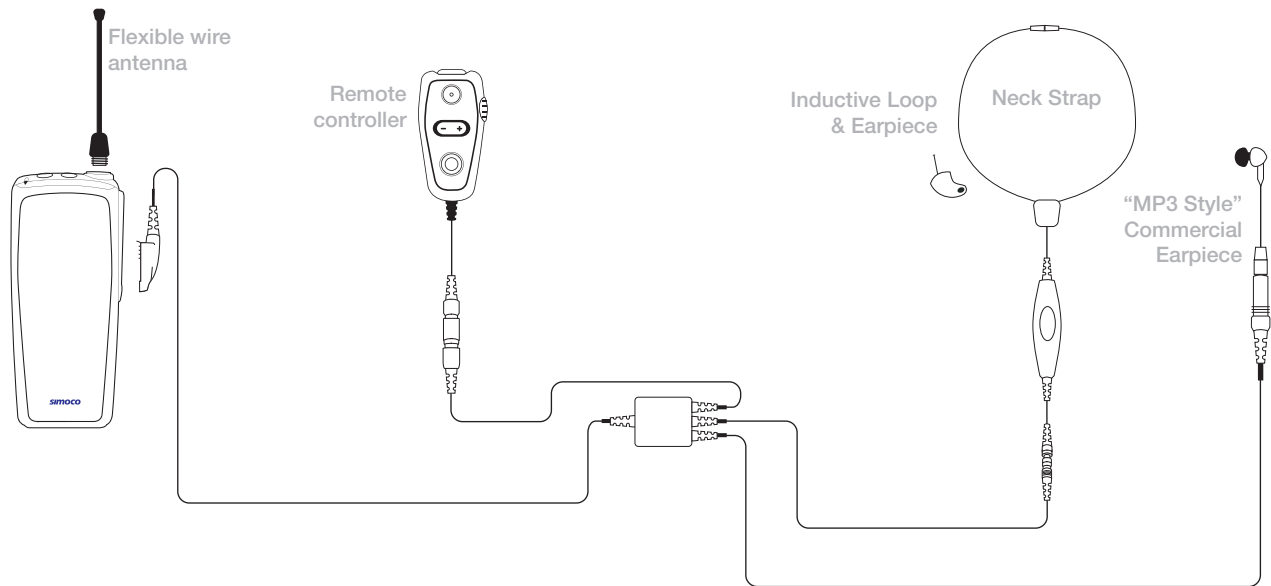
Power Output	2 levels programmable 0.5 - 5W 0.5, 1, 2.5, 4 or 5 W
Modulation	C4FM, F3E, FFSK
Audio Distortion	<3 % at 1 kHz, 60 % deviation
Transmit Rise Time	<25 ms
Hum and Noise	>40 dB (12.5 kHz); >45 dB (25 kHz)

## Receiver Specifications

Sensitivity	<0.3 $\mu$ V for 12 dB SINAD
Selectivity	>73 dB (25 kHz) >65 dB (12.5 kHz)
Intermodulation	>70 dB
Blocking	>95 dB at +/- 1 MHz
Hum and Noise	>40 dB (12.5 kHz); >45 dB (25 kHz)

Note: Specifications based on standard operating conditions. Not all combinations of frequency bands and options are permissible for every market area.  
\*AES encryption subject to export control.

## Accessory Layout



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