

GH900

Dual-Mode Smart Radio

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- Dual-mode Trunking: DMR+Public LTE
 - Small and Light, Easy to Carry
 - Excellent HW Configuration and RF Performance
 - Smart Radio with Android OS and Mass Applications
 - Dual Display for Easy Operation
 - Loud and Clear Sound, Large Capacity Battery
 - IP68
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Technical Specifications

General		
Technology	DMR Public LTE/WCDMA/GSM	
Frequency	DMR	UHF1:400-470MHz; UHF3:350-400MHz
	Public LTE	TDD: B38/B39/B40/B41 FDD: B1/B3/B5/B7/B8
	WCDMA	B1/B8
	GSM	B2/B3/B5/B8
Size(HxWxD)	150x68x27mm (Without Antenna)	
Weight	About 380g (With Antenna and Battery)	
Display	Main: 4.0" color LCD, 800x480 Top: 0.9" B&W LCD	
Key	PTT, Power, Dial, Hang up, Programmablex3, Android Functionx3, SOS	
Battery	4000mAh	
Interface	18pin Connector (for USB, Audio and so on) Battery Charging Connector	
OS	Customized OS Based On Android5.1	
Chipset	Quad 2.3GHz Processor	
Memory(RAM+ROM)	3GB+128GB	
External Memory	Support TF, Up to 128GB	
Camera	Rear: 13M Pixels, with flash, AF, CMOS Front: 13M Pixels, CMOS	
Bluetooth	BT 2.1 +EDR/4.0	
WLAN	WiFi 802.11b/g/n, 2.4G, Support WiFi Hotspot	
Location	GPS/Glonass	
NFC	Support	
Speaker	Front: 30x40mm Professional Speaker	
Mic	Support Noise Reduction with Multi Microphones	
Sensor	Gravity, Distance, Light, Gyroscope, Geomagnetic	
OTG	Support	
Card Slot	SIMx2, TFx2	
Charging	Desktop Charging Cradle	
MultiMedia	Photo	Jpg , 3120x4208 max
	Video	3GP, 1080P, 30fps max
	Record	AMR
	Audio format	MIDI/AMR/MP3/AAC+/QCP/WAV/WMA
	Video format	MP4/H263/H264/3GP, 1080P, 30fps max
DMR Receiver		
Sensitivity(Analog)	0.22uV (12dB SINAD)	
Sensitivity(Digital)	0.22uV (5% BER)	
Adjacent Channel Selectivity	60 dB@12.5KHz/70 dB@20/25KHz(TIA603A)-1T	
	45dB@12.5KHz /70 dB@20/25KHz(TIA603D)-2T	
	60dB@12.5KHz /70 dB@20/25KHz (ETSI)	
Intermodulation	70 dB (TIA603D)	
	65 dB (ETSI)	
Spurious Rejection	70 dB (TIA603D)	
	70 dB (ETSI)	
Blocking or Desensitization	80dB(TIA603D)	
	84dB(ETSI)	

Co-channel Rejection	-12~0 dB @12.5KHz/-8~0 dB @20/25KHz
Hum and Noise	-40 dB@12.5KHz /-43 dB@20KHz /-45 dB@25KHz
Rated Audio Power	0.5W
Max Audio Power	2.0W
Audio Distortion @ Rated Audio	≤3% (Typical)
Audio Response	+1~-3dB (TIA603D)
Conducted Spurious Emission	-57 dBm (TIA603D)
DMR Transmitter	
Low Power Output	1W
High Power Output	4W
FM Modulation	12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E
	12.5KHz Data Only: 7K60F1D&7K60FXD
4FSK Digital Modulation	12.5KHz Voice Only: 7K60F1E&7K60FXE
	12.5KHz Voice And Data: 7K60F1W
Conducted/Radiated Emission	-36dBm ≤1GHz; -30dBm >1GHz
Modulation Limiting	±2.5KHz@12.5KHz /±4KHz@20KHz /±5.0KHz@25KHz
FM Hum and Noise	-40 dB@12.5KHz /-43dB@20KHz /-45 dB@25KHz
Adjacent Channel Power	60 dB@12.5KHz /70 dB@20/25KHz
Audio Distortion @ Rated Audio	≤3% (Typical)
Audio Response	+1~-3dB(TIA603D)
Environmental	
Operating Temperature	-20 °C ~ + 60 °C
Storage Temperature	-40 °C ~ + 85 °C
ESD	IEC 61000-4-2 (level 4) ±8kV (Contact) ±15kV (Air)
Dust and Water Resistance	IP68
Reliability	MIL - STD - 810 G

Standard Accessories

		
4000mAh Li-ion Batteryx1	Chargerx1	Power Adapterx1
		
Belt Clipx1	Antennax1	