



thinnest & smallest digital covert radio:



Hytera X1e Covert Radio, fully compliant to DMR open standard of ETSI, emerges as the world's smallest DMR radio. Perfect combination of structural rigidity, versatile functionalities, and refined design; convenient application development facilitated by USB port; and worry-free handling achieved by IP57 protection.

All comes with a surprisingly small size:18mm thin.





Innovative Design

1 Ease of use:

easy to use with the rugged body as thin as 18mm, professional wireless headsets or collar microphone*, palm controller and

2 Full RF power:

4W (UHF) / 5W (VHF)

③ IP57:

one-meter submersion up to 30 minutes.

4 Durability:

passing of HALT (Highly Accelerated Life Test) and MIL-STD-810 C/D/E/F compliance.

Other features



Open USB interface:

Open USB port facilitates secondary and application development.



GPS positioning:

The built-in GPS module supports GIS applications.

Dual modes (analog & digital):

Dual modes (analog & digital) operation ensures a smooth analog-to-digital migration.

Versatile voice call:

Versatile voice calls include individual call, group call and al-call.

Vibration:

Vibration alerts the reception of voice call and message.

Multiple IP functionalities are allowed when connected with a PC via IP address.

Various analog signaling types:

Multiple advanced analog signaling, including HDC1200, DTMF, 2-Tone and 5-Tone, provides more expansion capacity.



Software upgradable:

Upgradable software enables new features without buying a

Specifications

	Frequency Range(MHz)	VHF: 136-174MHz UHF1: 400-470MHz UHF3: 350-400MHz
	Channel Capacity	16
	Channel Spacing	25/20/12.5 KHz
	Operating Voltage	7.4V (rated)
General	Battery	1150mAh (Li-Ion)
	Battery Life(5-5-90 Duty Cycle,	
	High TX Power)High-capacity 2000mAh Li-lon Battery	Analog: Above 8 Hours Digital: Above 10 Hours
	Frequency Stability	±1.5ppm
	Antenna Impedance	50 Ω
	Dimensions ($H \times W \times D$) (with standard battery, without antenna)	119.5 X 57 X 18 mm
	Weight	200g
	Front Case	PC & Mental frame
		VHF High Power: 5W
	RF Power Output	VHF Low Power: 1W UHF1/UHF3 High Power: 4W UHF1/UHF3 Low Power: 1W
	FM Modulation	11КФF3E @ 12.5 kHz 14КФF3E @ 20 kHz 16КФF3E @ 25 kHz
	4FSK Digital Modulation	12.5kHz Data Only: 7K60FXD 12.5kHz Data & Voice: 7K60FXW
rar	Conducted/Radiated Emission	36dBm<1GHz 30dBm>1GHz
Transmitter	Modulation Limiting	± 2.5kHz @ 12.5 kHz ± 4.0kHz @ 20 kHz ± 5.0kHz @ 25 kHz
	FM Noise	40dB @ 12.5 kHz 43dB @ 20KHz 45dB @ 25 kHz
	Adjacent Channel Power	60dB @ 12.5 kHz 70dB @ 20/25 kHz
	Audio Response	+1 ~ -3dB
	Audio Distortion	≤3%
	Digital Vocoder Type	AMBE++ or SELP
	Digital Protocol	ETSI-TS102 361-1,2&3
	Sensitivity Analog	0.3 V (12dB SINAD) 0.22 V (Typical) (12dB SINAD) 0.4 V (20dB SINAD)
	Digital	0.3 μ V /BER5%
	Selectivity	60dB @ 12.5 kHz / 70dB @ 20&25 kHz
	TIA-603 ETSI	60dB @ 12.5 kHz / 70dB @ 20&25 kHz
	Intermodulation	70dB @ 12.5/20/25 kHz
Rec	TIA-603 ETSI	65dB @ 12.5/20/25 kHz
Receiver	Spurious Response Rejection TIA-603 ETSI	70dB @ 12.5/20/25 kHz 70dB @ 12.5/20/25 kHz
	S/N	40dB @ 12.5 kHz 43dB @ 20KHz 45dB @ 25 kHz
	Rated Audio Power Output	0.5W
	Rated Audio Distortion	≤3%
	Audio Response	+1 ~ -3dB
	Conducted Spurious Emission	< -57 dBm
	Operating Temperature	-30℃ ~ +60℃
	Storage Temperature	-40°C ~ +85°C
Environmental	ESD	IEC 61000-4-2(level 4) ±8kV (contact) ±15kV (air)
men	American Military Standard	MIL-STD-810 C/D/E/F
<u>a</u>	Dust & Water Intrusion	IP57 Standard
	Humidity	Per MIL-STD-810 C/D/E/F Standard
	Shock & Vibration	Per MIL-STD-810 C/D/E/F Standard
	TTFF (Time To First Fix) Cold Start	<1 minute
	Title (Title To Tillse Tix) cold Start	
GPS	TTFF (Time To First Fix) Hot Start	<10 seconds









Hytera 🙆

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^{*}More accessories, coming soon.