



PD705 LT

DMR handheld radio

Built to the DMR standard, the Hytera PD705 LT features an ergonomic design, all-round digital functions, and remarkable build quality - refreshing your digital experience and allowing users to directly respond to emergent situations.



PD705 LT

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Highlights

Ergonomic Design

The PD705 LT's industrial design and intelligently constructed antenna ensure convenient operation and remarkable UHF performance.

Reliable Quality

The PD705 LT is strictly compliant with MIL-STD-810 C/D/E/F/G and IP67 standards, ensuring outstanding performance, even in harsh environments.

Superior Voice

With the combined application of narrowband codec and digital error-correction technologies, the PD705 LT is capable of providing superior voice quality, even in noisy environments, or at the outer boundaries of coverage areas.

Longer Battery Life

The PD705 LT has over 40% longer operation time than a regular analogue radio.

Larger Channel Capacity

Benefiting from TDMA technology, the PD705 LT allows twice the channels, based on the same spectrum resource.

Dual-Slot Pseudo Trunk

With dual-slot pseudo trunking, free slots can be allocated to users that need to communicate at any one time, effectively enhancing efficiency.

Dual Modes

The PD705 LT can operate in either analogue or digital modes, enabling a smooth migration from analogue to digital.

Versatile Voice Calls

The PD705 LT supports various call types, including Private Call, Group Call, All Call, and Emergency Call.

Various Analogue Signaling Types

PD705 LT supports various analogue signaling types (HDC1200, DTMF*, 2-Tone and 5-Tone), and various squelch control types (CTCSS/CDCSS), thus providing higher expansion capacity for users.

One Touch

The PD705 LT supports One Touch features that comprise of Text Message, Voice Calls and Supplementary Services.

Scan

The PD705 LT supports pure analogue voice and signalling scanning, pure digital voice and data scanning, and also mix-mode scans that include both analogue and digital.

* indicates functions available in later version.



Correspond to US Military Standard MIL-STD-810 C/D/E/F/G

Different menu languages available

Multifaceted accessories available for every operation

Dust and water-proof in accordance with IP67



In the box



BL2008 - Lithium-Ion Battery (2000mAh)



Standard antenna (UHF or VHF)



CH10A07 - MCU Rapid-Rate Charger



RO04 - Leather Wrist Strap



BC19 - Belt Clip

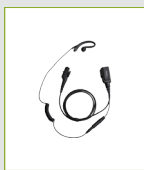


Power supply unit for charger (PS1044)

Optional accessories



Remote Speaker Microphone (IP57) SM18N2



C-Earset EHN16



Six-Unit Switching Power PS7002



Carrying Case (for thick battery) (leather) (swivel) LCY003



Programming Cable (USB Port) PC38



2500mAh Li-Ion Battery BL2503



MCU Multi-unit Charger (for Thick Battery) MCA08

Technical Data

General	Frequencies	UHF1: 400-470MHz; UHF2: 450-520MHz VHF: 136-174MHz	
	Channel Capacity	32	
	Zone Capacity	3 (each with a maximum of 16 channels)	
	Channel Spacing	12.5KHz / 20KHz / 25KHz	
	Operating Voltage	7.4V (rated)	
	Battery	2000mAh (Li-Ion)	
	Battery Life (5-5-90 Duty Cycle, High TX Power) High-capacity 2000mAh Li-Ion Battery	Analogue: 10.5 hours Digital: 14.0 hours	
	Frequency Stability	± 1.5ppm	
	Antenna Impedance	50Ω	
	Dimensions (H×W×D) (with standard battery, without antenna)	125 X 55 X 35mm	
Weight (with antenna & standard battery)	335g		
Receiver	Sensitivity	Analogue	0.3 μV (12dB SINAD); 0.22 μV (Typical) (12dB SINAD) 0.4 μV (20dB SINAD)
		Digital	0.3 μV /BERS5%
	Selectivity TIA-603 ETSI		60dB @ 12.5KHz / 70dB @ 20/25KHz 60dB @ 12.5KHz / 70dB @ 20/25KHz
		Intermodulation TIA-603 ETSI	70dB @ 12.5/20/25KHz 65dB @ 12.5/20/25KHz
	Spurious Response Rejection TIA-603 ETSI		70dB @ 12.5/20/25KHz 70dB @ 12.5/20/25KHz
		Blocking TIA-603 ETSI	80dB 84dB
	Hum and Noise		40dB @ 12.5KHz; 43dB @ 20KHz; 45dB @ 25KHz
	Rated Audio Power Output		0.5W
	Rated Audio Distortion		≤ 3%
	Audio Response		+1 ~ -3dB
	Conducted Spurious Emission		< -57dBm

Transmitter	RF Power Output	UHF1/UHF2 High Power: 4W UHF1/UHF2 Low Power: 1W VHF High Power: 5W VHF Low Power: 1W
	FM Modulation	11K0F3E @ 12.5KHz; 14K0F3E @ 20KHz 16K0F3E @ 25KHz
	4FSK Digital Modulation	12.5KHz Data Only: 7K60FXD 12.5KHz Data & Voice: 7K60FXW
	Conducted/Radiated Emission	-36dBm < 1GHz; -30dBm > 1GHz
	Modulation Limiting	± 2.5KHz @ 12.5KHz; ± 4.0KHz @ 20KHz; ± 5.0KHz @ 25KHz
	FM Hum & Noise	40dB @ 12.5KHz; 43dB @ 20KHz; 45dB @ 25KHz
	Adjacent Channel Power	60dB @ 12.5KHz; 70dB @ 20/25KHz
	Audio Response	+1 ~ -3dB
	Audio Distortion	≤ 3%
	Digital Vocoder Type	AMBE++ or SELP
Digital Protocol	ETSI-TS102 361-1,-2,-3	
Environmental Specifications	Operating Temperature	-30°C ~ +60°C
	Storage Temperature	-40°C ~ +85°C
	ESD	IEC 61000-4-2 (level 4) ± 8kV (contact) ± 15kV (air)
	American Military Standard	MIL-STD-810 C/D/E/F/G
	Dust & Water Intrusion	IP67 Standard
	Humidity	Per MIL-STD-810 C/D/E/F/G Standard
	Shock & Vibration	Per MIL-STD-810 C/D/E/F/G Standard

All Specifications are tested according to applicable standards, and subject to change without notice due to continuous development.

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Encryption features are optional and have to be configured separately. They are also subject to European export regulations.

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