



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

DMR handheld radio



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 Powe
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
Receiver	Weight (with antenna & standard battery)		335g
	Sensitivity	Analogue	0.3 μV (12dB SINAD); 0.22 μV (Typical) (12dB SINAD) 0.4 μV (20dB SINAD)
		Digital	0.3 μV /BER5%
	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
Environmental Specifications	Digital Protocol		ETSI-TS102 361-1,-2,-3
	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.

Your Hytera partner:



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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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