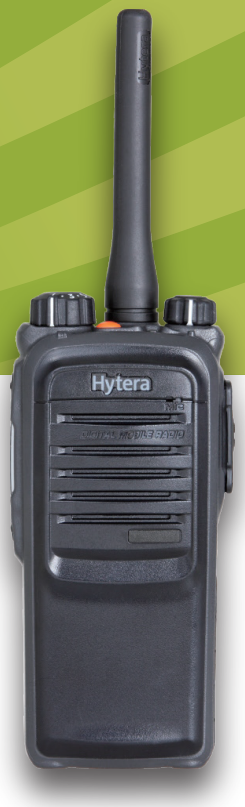
Hytera
Respond & Achieve

PD705 LT

DMR handheld radio



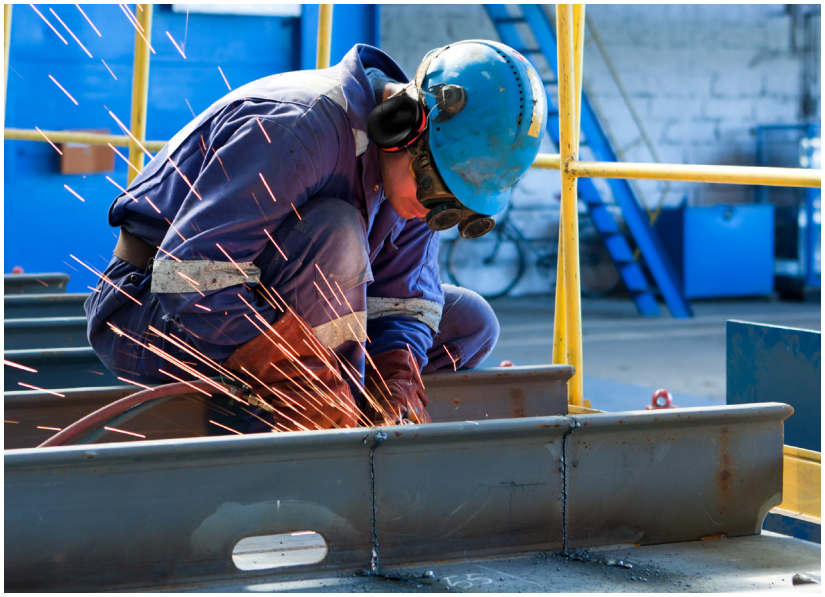
Built to the DMR standard, the Hytera PD705 LT features an ergonomic design, all-round digital functions, and remarkable build quality - refreshing your digital experience and allowing users to directly respond to emergent situations.

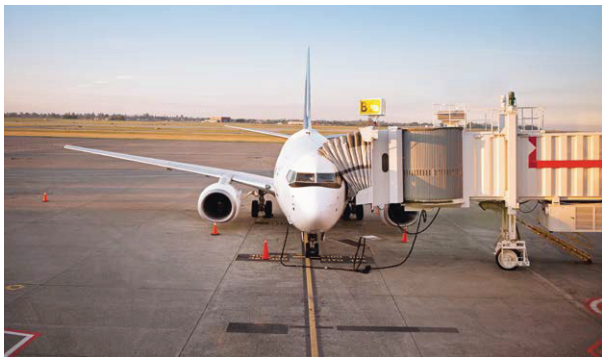
DMR
DIGITAL MOBILE RADIO ASSOCIATION

www.hytera.co.uk

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.

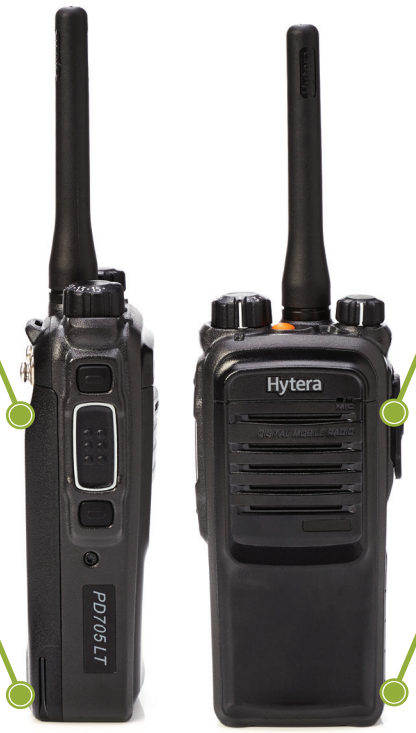
One Touch
The PD705 LT supports One Touch features that comprise of Text Message, Voice Calls and Supplementary Services.

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

The representations shown above are intended for reference purposes only. The products themselves may deviate from these representations.

Technical Data

General	Frequences		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	0.3μV (12dB SINAD);0.22μV (Typical) (12dB SINAD) 0.4μV (20dB SINAD)
		Digital	0.3μV /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
	Digital Protocol	ETSI-TS102 361-1,-2,-3
Environmental Specifications	Operating Temperature	-30℃ ~ +60℃
	Storage Temperature	-40℃ ~ +85℃
	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:

Further information can be found at:
www.hytera.co.uk

Keep up to date with Hytera on social media.

Hytera
Respond & Achieve

Hytera Communications Corporation Limited
Address: Hytera Communications (UK) Co. Ltd.
Hytera House, 939 Yeovil Road, Slough, Berkshire. SL1 4NH, UK.
Tel: +44 (0) 1753 826 120 **Fax:** +44 (0) 1753 826 121
www.hytera.co.uk **info@hyterauk.co.uk**

Ref. no.: PD70X LT_EN_018D_270317