

PD505LF

License-free DMR handheld radio



License-free DMR radio

The PD505LF is a digital PMR446 radio that was developed according to the open DMR standard. It is thus one of the first DMR Tier I radios worldwide. Form and design are based on the classic Hytera radios.

Support of analog & digital mobile radio

The PD505LF was developed in compliance with the ETSI Digital Mobile Radio (DMR) standard. The handheld radio supports license-free operation according to DMR Tier I. It can also be operated as an analog radio.

Ergonomic design

The PD505LF handheld radio is easy to operate and highly reliable, which is indispensable in critical situations.

Technical Data PD505LF

General data	
Frequency range	UHF: 446.0 – 446.2 MHz
Supported operating modes	<ul style="list-style-type: none"> ▪ DMR Tier I (license-free DMR) ETSI TS 102 361-1/2/3 ▪ PMR446 analog mobile radio
Number of channels	32
Number of zones	3
Channel spacing	12.5 kHz (analog) 12.5 kHz (digital)
Operating voltage	7.4 V (nominal)
Standard battery	1500 mAh (lithium-ion battery)
Battery service life (5-5-90 duty cycle)	approx. 16 hours (digital)
Frequency stability	± 0.5 ppm
Antenna impedance	50 Ω
Dimensions (H × W × D, without antenna)	115 × 54 × 27 mm
Weight (with antenna and standard battery)	approx. 260 g

Transmitter	
Transmitting power	0.5 W
Digital vocoder type	AMBE +2™

Environmental conditions	
Operating temperature range	- 30 °C to + 60 °C
Storage temperature range	- 40 °C to + 85 °C
Protection against dust and moisture	IP54
Shock and vibration resistance	MIL-STD-810 C / D / E / F / G

All technical information was determined at the factory and in accordance with the corresponding standards. Subject to change on the basis of continuous development.



Hytera Mobilfunk GmbH

Address: Fritz-Hahne-Straße 7, 31848 Bad Münder, Germany
Tel.: + 49 (0)5042 / 998-0 Fax: + 49 (0)5042 / 998-105
E-mail: info@hytera.de | www.hytera-mobilfunk.com



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

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