



i SERIES
PD362i



PD362i Compact Two-Way DMR Radio

Hytera PD362i UHF 430-470MHz DMR radios provide reliable and easy-to-use communications.

The Hytera PD362i open-standard DMR radio delivers clear two-way voice and text in a small pocket-sized design. This is the ideal solution for small to medium-sized organizations looking for cost-effective and high-quality radio communications.

- Compact, pocket-sized radios that are easy to operate
- Powerful battery delivers up to 12 hour battery life
- Analog and digital modes for easy transition to digital
- Ruggedized to IP54 and MIL-STD-810 standards
- 256 Channels and 16 Zones



PD362i Key Features



ERGONOMIC AND LIGHTWEIGHT

- Tactile buttons for no-look PTT and emergency calling
- Compact antenna makes the PD362i feel like a cellular phone
- Pocket-size design that weighs less than 6 ounces



HIGH-QUALITY AUDIO

- Audio equalizer adjusts low, mid, and high frequency gain
- Provides high-quality digital audio performance with loud and clear Private Calls, Group Calls, and All Call



ANALOG AND DIGITAL DUAL MODES

- Supports both analog and digital modes
- Allows switching between the two operation modes for communication with analog radios



ANALOG AND DIGITAL AUTO DETECT

- Detects the signal type and automatically switches between analog and digital mode
- Enables simple and cost-effective migration path to digital



RELIABLE AND DURABLE

- Compliant with MIL-STD-810-G for shock and vibration
- IP54 rated for water and dust resistance



LED DISPLAY

- LED display allows good visibility even under bright daylight
- Two-line display for messaging with up to 64 characters



LONG-LIFE BATTERY

- Powerful 2000mAh Lithium Ion batteries deliver up to 12 hours of operation in digital mode and 10 in analog mode



EMERGENCY CALLS

- Enables sending and receiving Emergency Alarms and enhances worker safety



PRE-PROGRAMMED TEXT MESSAGING

- One-touch sending of pre-programmed text messages
- Stores up to ten pre-defined text messages of up to 64 characters



VOX

- Voice activated microphone enables hands free operation
- Also supported on external earpiece and microphone accessories



SCANNING

- Allows listening to communication activities on other channels

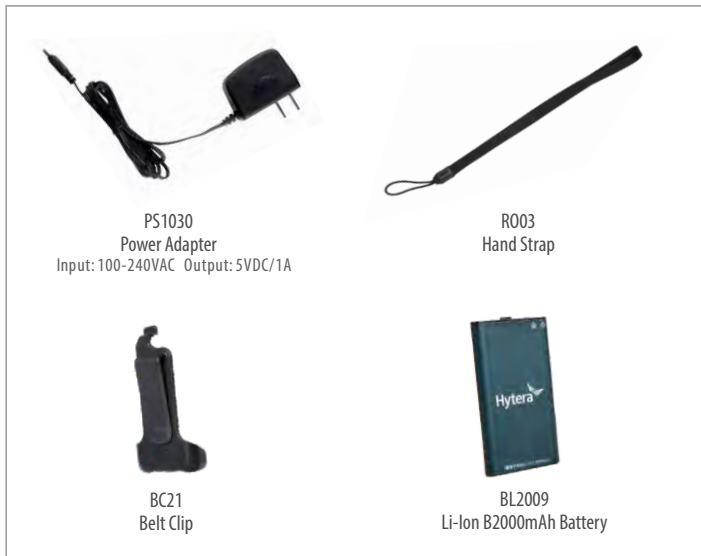


UPGRADE FEATURES (Optional)

- Encryption for secure audio and data
- Priority Interrupt allows dispatcher to interrupt existing calls with important emergency information
- Remote Monitor allows dispatcher to key the PTT button and listen in an emergency situation
- Stun/Revive enables dispatch and other users to disable/enable a radio if it is stolen, lost, or used maliciously



Standard Accessories



Systems and Network Features

ROAMING

- Allows radios to seamlessly move between connected repeaters with uninterrupted voice transmission

PSEUDO TRUNK

- This virtual trunking feature automatically uses whichever digital timeslot is free to improve call connectivity and frequency efficiency

DMR TIER II

- The PD362i can be deployed on DMR Tier II systems

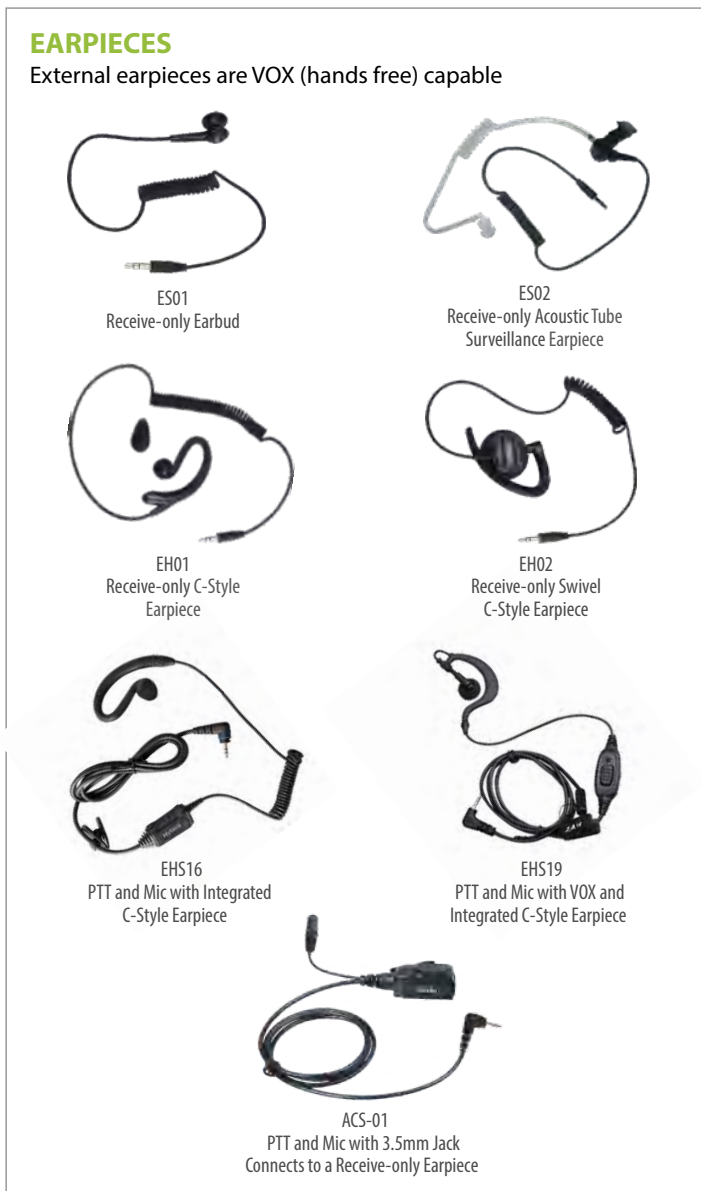
RADIO REGISTRATION SERVICE

- RRS allows the PD362i to communicate with dispatch and unified communications applications

Optional Accessories

EARPIECES

External earpieces are VOX (hands free) capable



CHARGERS

Enables convenient charging of PD362i radios.



OTHER ACCESSORIES



Specifications

General	
Frequency Range	UHF 430-470MHz
Channel Capacity	256 Channels (128 Analog, 128 Digital)
Zone Capacity	16 Zones with 16 Channels per Zone
Channel Spacing	25/12.5kHz
Operational Voltage	3.7W
Battery	2000mAh (Li-Ion)
Battery Life (5/5/90)	12 hours Digital, 10 hours Analog
Weight	5.64oz (160g)
Dimensions	4 3/16" x 2 11/16" x 29/32" (106 x 55 x 23mm)
Frequency Stability	± 0.5ppm
Antenna Impedance	50Ω
Receiver	
Digital Sensitivity	0.22μV (BER 5%)
Analog Sensitivity	0.22μV (Typical) (12dB SINAD) 0.4μV (20dB SINAD) 0.22μV (12dB SINAD)
Adjacent Selectivity	TIA-603: 60dB @ 12.5kHz, 70dB @ 25kHz ETSI: 60dB @ 12.5kHz, 70dB @ 25kHz
Spurious Response Rejection	TIA-603: 70dB @ 12.5/25kHz ETSI: 70dB @ 12.5/25kHz
Intermodulation	TIA-603: 70dB @ 12.5/25kHz ETSI: 65dB @ 12.5/25kHz
Hum and Noise	40dB @ 12.5kHz, 43db @ 20kHz, 45dB @ 25kHz
Rated Audio Power Output	0.4W
Rated Audio Distortion	≤5%
Audio Response	+1 to -3dB
Conducted Spurious Emission	<-57dBm

Transmitter	
RF Power Output	UHF 1.5W - 3W
FM Modulation	11K0F3E @ 12.5kHz 16K0F3E @ 25kHz
4FSK Digital Modulation	12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW
Conducted/Radiated Emission	-36dBm <1GHz, -30dBm >1GHz
Modulation Limiting	±2.5kHz @ 12.5kHz ±5.0kHz @ 25kHz
FM Hum and Noise	40dB @ 12.5kHz, 45dB @ 25kHz
Adjacent Channel Power	60dB @ 12.5kHz, 70dB @ 25kHz
Audio Response	+1 to -3dB
Audio Distortion	≤3%
Digital Vocoder Type	AMBE++
Digital Protocol	ETSI-TS102 361-1,-2,-3
Environmental	
Operating Temperature	-22°F to +140°F (-30°C to +60°C)
Storage Temperature	-40°F to +185°F (-40°C to +85°C)
ESD	IEC 61000-4-2 (Level 4) ±8kV Contact, ±15kV Air
Dust and Water Ingress	IP54 Standard
Humidity	Per MIL-STD-810 C/D/E/F/G Standard
Shock and Vibration	Per MIL-STD-810 C/D/E/F/G Standard

Ordering Information

Part Number	Description
PD362i-Uc	UHF 430-470MHz, 1.5-3.0 W Power

All specifications are subject to change without notice due to continuous development.



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