

 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



PS1030
Power Adapter
Input: 100-240VAC Output: 5VDC/1A



R001
Hand Strap



BC29
Belt Clip



BL2009
Li-Ion B2000mAh Battery

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



ES-01
Receive-only Earbud



EA-01
Receive-Only Earpiece with
Transparent Acoustic Tube



EH-01
Receive-only C-Style
Earpiece



EH-02
Receive-only Swivel
C-Style Earpiece



EHS16
PTT and Mic with Integrated
C-Style Earpiece



ACS-01
PTT and Mic with 3.5mm Jack
Connects to a Receive-only Earpiece

CHARGERS

Enables convenient charging of PD362i radios.



CH20L05
Wireless lithium-ion battery charger



CH10L20
Rapid-Rate Charger
(uses standard PS1030 Power Adapter)



CH10L24
Desktop Charger (requires POA129,
and uses standard PS1030 Power Adapter)



POA129
Contact-charge Battery Cover
(for use with CH10L24)

OTHER ACCESSORIES



PC69
Data Programming Cable



PS6001
Six-unit Switching Power adapter

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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ISO 9001

SERIES

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