

## 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.



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

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

## Ordering Information

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



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