

# PD362

Pocket-Size Digital Portable Radio



- Pocket-Sized Design with Easy Charging Through Micro-USB
- Analog / Digital Dual Mode Operation for Easy Transition to Digital





## PD362

The Hytera PD362 is an open-standard DMR radio capable of providing quality voice communication in a small pocket-sized design approved to IP54 and MIL-STD 810 testing. The 2000 mAh long lasting battery yields approximately 12 hours under a 5-5-90 duty cycle in digital mode. This is the ideal radio solution for small organizations looking for a cost-effective way to migrate to clear digital communication.

## Applications

Retail

Malls

Restaurants

Hotel

Events

Warehouse

Education

Executives



# Product Features

- Pocket Size Design**  
 The monochrome display allows good visibility even under extremely strong light. The compact antenna design and light weight PC & Metal frame design. The P362 is 4.84 x 2.17 x 0.91 inches weighing 5.64oz.
- Micro USB Port**  
 The Micro USB port allows you to use a standard USB to Micro USB to charge the radio.
- Compact Antenna**  
 The creative and compact antenna design makes the PD362 sleek and gives it a cellular phone feel.
- Dual Mode: Analog & Digital**  
 Dual mode (analog & digital) operation ensures a smooth analog to digital migration.
- One Touch Call/Text**  
 Supports One Touch features that comprise of Preprogrammed Text Messages, Voice Calls and Supplementary Features.
- Scan**  
 Capable of scanning of pure analog voice and signaling, pure Digital voice and data, and also mix mode scan that comprise of Analog and Digital activities.
- Versatile Voice Calls**  
 The intelligent signaling supports various voice call types, including Private Call, Group Call , All Call and Emergency Call.
- Various Analog Signaling Types**  
 Various analog signaling types various squelch control types (CTCSS / CDCSS), thus providing higher function expansion capacity to the analog world.
- Monochrome Display**  
 Two line display with monochrome color and supports messaging with up to 64 characters.



Pocket Size Design



Superior Audio

Single Pin Accessory Port

Micro USB Charging

# Accessories

## Included

- Li-Ion Battery
- Micro-USB Power Adapter
- Antenna (attached)
- Belt Clip
- Nylon Strap

## Optional

See website for full list



Rapid Rate  
Charger  
CH10L20



Programming Cable  
(Micro USB / USB Port)  
PC69



Earset C-Type  
In-line Speaker / MIC  
EHS16

# Specifications

General	Frequency Range	UHF: 430-470Mz		
	Channel Capacity	256		
	Channel Spacing	25 / 12.5KHz		
	Operating Voltage	3.7V		
	Battery	2000mAh (Li-Ion)		
	Battery Life (5-5-90 Duty Cycle)	Analog	Approx. 10hrs	
		Digital	Approx. 12hrs	
	Frequency Stability	± 0.5ppm		
	Antenna Impedance	50 Ω		
	Dimensions (HxWxD)	4.84 x 2.17 x 0.91 inches		
	Weight	5.64 oz		
	FCC ID	See Website for Full List		
	Industry Canada ID	See Website for Full List		

Environmental Specs	Operating Temperature	-22° F ~ +140° F
	Storage Temperature	-40° F ~ +185° F
	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	IP54 Standard
	Humidity	Per MIL-STD-810 C/D/E/F/G Standard
	Shock & Vibration	Per MIL-STD-810 C/D/E/F/G Standard

Transmitter	RF Power Output	1.5 - 3W
	FM Modulation (Analog Emissions Designator)	11K F3E @ 12.5KHz 16K F3E @ 25KHz
	4FSK Digital Modulation (Digital Emissions Designator)	12.5KHz Data Only: 7K6 FXD 12.5KHz Data & Voice: 7K6 FXW
	Conducted/Radiated Emission	-36dBm < 1GHz -30dBm > 1GHz
	Modulation Limiting	± 2.5KHz @ 12.5KHz ± 5.0KHz @ 25KHz
	FM Hum & Noise	40dB @ 12.5KHz 45dB @ 25KHz
	Adjacent Channel Power	60dB @ 12.5KHz 70dB @ 25KHz
	Audio Response	+1 ~ -3dB
	Audio Distortion	≤ 3%
	Digital Vocoder Type	AMBE++ or SELP
	Digital Protocol	ETSI-TS102 361-1, 2&3

Receiver	Sensitivity	Analog	0.22µ V (12dB SINAD) ; 0.22µ V (Typical) (12dB SINAD); 0.4µ V (20dB SINAD)
		Digital	0.22µ V/BER5%
	Selectivity TIA-603 ETSI	60dB @ 12.5KHz / 75dB @ 25KHz 60dB @ 12.5KHz / 70dB @ 25KHz	
	Intermodulation TIA-603 ETSI	70dB @ 12.5 / 25KHz 65dB @ 12.5 / 25KHz	
	Spurious Response Rejection TIA-603 ETSI	70dB @ 12.5 / 25KHz 70dB @ 12.5 / 25KHz	
	Blocking TIA-603 ETSI	80dB 84dB	
	S/N	40dB @ 12.5KHz ; 43dB @ 20KHz ; 45dB @ 25KHz	
	Rated Audio Power Output	0.4W	
	Rated Audio Distortion	≤ 5%	
	Audio Response	+1 ~ -3dB	
Conducted Spurious Emission	< -57dBm		

## Your Local Dealer

For more information, please contact

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20KHz / 25KHz will not be available on new equipment in the U.S. after January 1<sup>st</sup>, 2011

Hytera reserves the right to change product designs or specifications at any time. If you have any questions regarding the accuracy of this information please contact your local sales representative or Hytera directly.

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