Digital **Migration** Radio PD36X

Pocket-size Design
Micro USB Charging
Dual Modes (Analogue & Digital)
Superior Audio



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PD36X

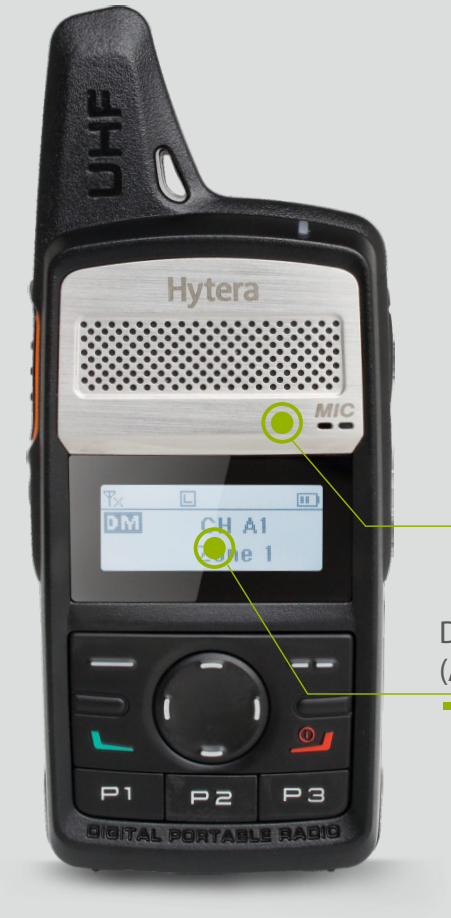
Applications


Sport Events


Hospitality


Retail


Warehouse



PD36X

Features

- Pocket-size design and easy to carry
- Four programmable buttons
- Micro USB port for easy charging
- Radio more compact through creative antenna design
- In digital mode, radio operates up to 15 hours using a duty cycle of 5-5-90
- Dual mode ensures smooth migration from analogue to digital
- Voice communication includes private, group and all call
- Work and user groups can be configured with unique CTCSS/CDCSS to prevent unwanted conversations on the same frequency
- Radios can be enabled to continuously scan each analogue and digital channel
- Supports messaging with up to 64 characters
- Supports a one touch feature for pre-programmed text messages and voice calls
- High quality speaker for clear audio
- Cost-effective digital experience

Accessories

Versatile Accessories for Specific Tasks



Belt Clip



Multi-unit charger



Rear Cover
(for use with charger)



Micro USB Power
Adapter (5V/1A)



Desktop
Charger



Programming Cable



Li-ion Battery
(2000mAh)



Nylon Strap



PD36X

Specifications

General		
Frequency Range		430-470MHz
Channel Capacity		256
Channel Spacing		25/12.5KHz
Operating Voltage		3.7V
Battery		2000mAh (Li-Ion)
Battery Life (5/5/90)		Digital: approximately 15 hours Analogue: approximately 11 hours
Weight		160g
Dimensions		106 x 54 x 23mm
Frequency Stability		±0.5ppm
Antenna Impedance		50Ω
Receiver		
Sensitivity (Digital)		0.18μV/BER 5%
Sensitivity (Analogue)		0.18μV (12dB SIN AD)
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
Inter-modulation	TIA-603	70dB @ 12.5/25KHz
	ETSI	65dB @ 12.5/25KHz
Hum & Noise		40dB @ 12.5KHz 45dB @ 25KHz
Rated Audio Power Output		0.4W
Rated Audio Distortion		<5%
Audio Response		+1 ~ -3dB
Conducted Spurious Emission		<-57dBm

Transmitter	
RF Power Output	UHF High power: 3W/UHF Low power: 1.5W
FM Modulation	11K0F3E @ 12.5KHz 16K0F3E @ 25KHz
4FSK Digital Modulation	12.5KHz Data Only: 7K60FXD 12.5KHz Data & Voice: 7K60FXW
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+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3
Environmental	
Operating Temperature	-30°C ~ +60°C*
Storage Temperature	-40°C ~ +85°C
ESD	IEC 61000-4-2 (Level 4) ±8kV (Contact) ±15kV (Air)
Dustproof & Waterproof	IP54 Standard
Humidity	Per MIL-STD-810 G Standard
Shock & Vibration	Per MIL-STD-810 G Standard

*Radio only - Battery -20°C

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

Hytera
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