

# Digital Migration Radio PD3 Series

**Pocket-size Design**

**Micro USB Charging**

**Dual Modes (Analogue & Digital)**

**Superior Audio**





PD35X



PD36X

Pocket-size Design

Micro USB Charging



## Applications



Sport Events



Retail



Hospitality



Warehouse



PD37X

### Superior Audio

### Dual Modes (Analogue & Digital)

- 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 12 hours using a duty cycle of 5-5-90
- Dual mode ensures smooth migration from analogue to digital
- DMRA Direct Mode TDMA(True 2-slot) supports two voice call simultaneously.
- 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



PD35X Belt Clip



PD36X Belt Clip



PD37X Belt Clip



Rapid-Rate Charger  
(for Li-Ion Battery)  
CH10L20



PD35X

PD36X

PD37X



Micro USB  
Power Adapter  
(5V/1A)



Programming Cable  
PC69



BL2009



Nylon Strap

# Specifications

General	
Frequency Range	PD35X/PD36X UHF: 400-440MHz, 430-470MHz PD37X UHF: 400-450MHz, 430-480MHz
Channel Capacity	256
Channel Spacing	25/12.5KHz
Operating Voltage	3.7V
Battery	2000mAh (Li-Ion)
Battery Life (5/5/90)	Digital: approximately 12 hours Analogue: approximately 10 hours
Weight	160g
Dimensions	123 x 55 x 23mm (PD35X) 106 x 54 x 23mm (PD36X) 107 x 55 x 23mm (PD37X)
Frequency Stability	±0.5ppm
Antenna Impedance	50Ω
Receiver	
Sensitivity (Digital)	0.22μV/BER 5%
Sensitivity (Analogue)	0.22μV (Typical) (12dB SIN AD) 0.4μV (20dB SIN AD) 0.22μV (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++
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 C/D/E/F/G Standard
Shock & Vibration	Per MIL-STD-810 C/D/E/F/G Standard

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

PD35X/PD36X/PD37X, X=2, 5, 6 or 8, model number varies geographically.

For details, please contact our regional sales representatives.

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