

# PD-3M



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# PD-3M

DMR Portable Radio



## FEATURES

- Dual mode : Digital and analog
- Ultra long battery life
- Channel number voice announcements
- Channel scan
- Emergency alarm
- DMR mode
- Dual Time Slot

## APPLICATIONS

- Shopping malls
- Property management
- Hotel
- Cafeterias
- Construction
- Manufacturing
- Mining
- Government
- Golf courses
- Retail
- Security
- Factories
- Cleaners

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## GENERAL SPECIFICATIONS

Frequency Range	UHF:400-480MHZ PMR446
Channel Capacity	32CH
Channel Spacing	Analog : 12.KHz/25KHz Digital : 12.5
Operation Temperature	-25°C~+60°C
Operation Voltage	7.5VDC
Antenna Impedance	50Ω
Microphone Impedance	2.2KΩ
Frequency Stability	±1.5 ppm
Battery Capacity	Li-ion DC7.4V 1600mAh
Dimension	108.4mm*53.6mm*31.6mm
Weight	130.25g (radio body) 220.4g (with battery and antenna)

## RECEIVER

Sensitivity(12B SINAD)	≤-121dBm @25kHz ≤212dBm @12.5KHZ
SNR(Signal-To-Noise Ratio)	≥45 dB @25kHz ≥40 dB @12.5KHZ
Adjacent Channel Selectivity	≥65 dB @25kHz ≥60 dB @12.5KHZ
Intermodulation	≥60 dB @25kHz ≥55dB @12.5KHZ
Spurious Response Rejection	≥65dB
Audio Output Power	≥1000mW
Sensitibity(digital)	0.18μV/BER5%
Rated Audio Distortion	≤5%

## TRANSMITTER

RF Power	H : 4 W L : 1.5 W PMR446 : 0.5W
FM Modulation	25K/16KΦF3E 12.5K/ΦF3E
4FSK Digital Modulation	12.5KHZ Data7K60FXD 12.5KHZ Data and Voice 7K60FXW
Digital Vocoder Type	AMBE ++
Digital Protocol	etsi-ts102 361-1, -2
Harmonic	≥ 70 Db
SNR (Signal-To-Noise Ration)	25k≤-45 Db 12.5k≤-40 Db
Rated Radio Distortion	≤5%
Max.Frequency Deviation	25k≤5 kHz 12.58K≤2.5 kHz



- All specifications are subject to change without notice due to continuous development
- Complies with Australia / New Zealand RF standards



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# PD-3M FEATURES



## HIGHLIGHTS AND BENEFITS

### **DUAL MODE: DIGITAL AND ANALOG (SMOOTH TRANSITION)**

Supports both digital and analog modes, compatible with existing analog systems, ensuring a smooth transition from analog to digital products.

### **CHANNEL SCAN**

Supports both analog and digital channels scanning individually or with each other.

### **ULTRA LONG BATTERY LIFE**

Ultra-long standby time, no need to charge or replace the battery frequently. 76 hours standby time, by 5-5-90 duty, usage time - analog: 10 hours, digital: 12 hours.

### **EMERGENCY ALARM**

various alarm modes: siren only (local alarm), normal (remote alarm) and secret alarm (no local siren, remote alarm secretly)

### **TRANSMIT AUTHORITY**

The same frequency group can set the transmitting authority by choosing channel free, color code free, or sub-tone free (i.e, the channel is busy and transmitting is not allowed during the reception period so you need to wait) to improve the quality of the call.

# PD-3M ACCESORIES

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## INCLUDED IN THE BOX



Charger Base



Li-ion Battery



Power Adapter



Antenna



Belt Clip



Hand Strap

## OPTIONAL EXTRAS



6-Way Power Supplier



Short Antenna



Earphone



Speaker Microphone