

Specifications

| General | |
|-----------------------------|---|
| Frequency Range | UHF: 400-470MHz, VHF: 136-174MHz |
| Channel Capacity | 256 |
| Zone Capacity | 3 |
| Channel Spacing | 25/12.5KHz |
| Operating Voltage | 7.4V |
| Battery | 1500mAh (Li-Ion) 2000mAh (Li-Ion) |
| Battery Life (5/5/90) | Analog/Digital: 12/16 hours (1500mAh) 16/22 hours (2000mAh) |
| Weight | 270g |
| Dimensions | 112x54x28mm |
| Frequency Stability | ±0.5ppm |
| Antenna Impedance | 50Ω |
| Receiver | |
| Sensitivity (Digital) | 0.22μV / BER 5% |
| Sensitivity (Analog) | 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 | 0.5W |
| Rated Audio Distortion | ≤3% |
| Audio Response | +1 ~ -3dB |
| Conducted Spurious Emission | <-57dBm |

| Transmitter | |
|-----------------------------|--|
| RF Power Output | VHF High power: 5W VHF Low power: 1W UHF High power: 4W UHF Low power: 1W |
| 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 | Ip55 Standard |
| Humidity | Per MIL-STD-810 C/D/E/F/G Standard |
| Shock & Vibration | Per MIL-STD-810 C/D/E/F/G Standard |

PD40X, X=0, 2, 5, 6 or 8, model number varies geographically. For details, please contact our regional sales representatives.
All specifications are subject to change without notice due to continuous development.

Digital Migration Radio PD40X

Digital voice, louder and clearer
Analog & Digital Mixed Channel



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Features

Private call, Group call and All call

Small, Sleek, Light

In digital mode, the radio operates up to 16 hours under a duty cycle of 5-5-90 @1500mAh.

IP55 & MIL-STD-810 C/D/E/F/G standards

Pre-programmed Text Message

Support one touch pre-programmed text messages and voice calls.

Dual Mode (Analog & Digital) ensures a smooth migration from analog to digital.

DMRA Direct Mode TDMA (True 2-slot) supports two voice calls simultaneously.

Voice-operated Transmit (VOX) allows you to trigger the voice transmission by voice directly.

Analog & Digital Mixed Channel supports automatically detecting signal type and switching between analog and digital mode.

Target Markets



Construction

At the noisy construction site, a radio with good voice quality and reliable in use can make all the difference.



Warehouse

A durable battery supports full shifts without recharge.



Security

Steady wireless signal receiving improves security work performance and reduces loss.



Factory

Military standard and good dust-proof & water-proof rating (IP55) protect the radio from damage in complex environment of factory.

Highlights

- Digital Voice, Louder and Clearer
- Double Channel Capacity
- Analog & Digital Mixed Channel
- Easy Operation
- Durable, IP55 & MIL-STD-810 C/D/E/F/G standards
- Affordable



Standard



Li-ion battery (1500mAh) BL1504

Belt clip BC08



General MCU Rapid-rate Charger (for Li-Ion/Ni-MH batteries) CH10A07



Short antenna



Switching Power Adapter



Hand strap

Options

