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Digital Migration Radio

PD462 CB capable radio

80 AUS CB channels

ETSI DMR standard radio with digital voice



www.hytera.com.au

80-channel AUS CB capable

- **80-channel CB**

As the FreeTalk® 477 logo indicates, this radio requires no license for use of all narrowband 80 CB channels including 16 repeater channels.

**For this function, you need to enable the CB channel mode in programming.*

- **Commercial Channel Mode Ready**

Hytera's PD462 is more than just a CB capable radio. There are in total 256 channels. When CB channel mode is enabled, it still allows 176 channels (450-520 MHz) to be programmed. When CB channel mode disabled, it supports 256 programmable channels (450-520 MHz).

- **CTCSS/CDCSS Stand-by**

Users can manually enable, disable or modify the CTCSS/CDCSS function via the radio menu. It is a welcome feature when there is a lot of radio traffic. Where more than one user group are on the same channel, CTCSS filters out other users if they are using a different CTCSS tone or no CTCSS. This allows you to set up the radio so you only hear calls from your own group – everything else is ignored.

- **Scan**

PD462 supports not only scanning in programmed list, but also functions below:

1. Via programmed buttons, users can enable or disable this scan feature.
2. From the displayed menu, users can also add or delete the channels in the scan list. So the noisy channel can be temporarily removed.

- **Talk around**

When working under a repeater, this function allows radio to communicate when the repeater is out of range or the repeater is down. Via the programmable button or the radio menu, the radio can use a receiving frequency to transmit. This allows the radio using simplex transmission and the radio in repeater mode to receive signal from the Talk Around operated radio.



Superior Audio

Digital radio with 80 AUS CB channels

Target Markets



Shopping Mall



Hotel



Hospital



Warehouse

Digital voice, louder and clearer

Abundant Voice Call

Voice communication includes private, group and all call.

Small, Sleek, Light

The size is 112x54x30mm and weight is 280g.

Long Battery Life

In digital mode, PD462 operates at least 16 hours under a duty cycle of 5-5-90 @1500mAh.

Rugged & Reliable

It is compliant with MIL-STD-810 C/D/E/F/G standards & IP54.

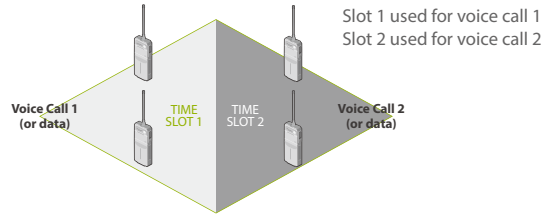
Preprogrammed Text Messages

One Touch Call/Text

Support One Touch features that comprise of Voice Calls and Preprogrammed Text Messages.

DMRA Direct Mode TDMA (True 2-slot)

In digital direct mode, Hytera can provide 2-slot communication, which allows for 2 talk paths on 1 frequency.



Dual Mode (Analog & Digital)

Dual modes (analog & digital) operation ensures a smooth migration from analog to digital.

VOX

The VOX (Voice-operated Transmit) feature allows you to trigger the voice transmission by voice directly rather than pressing PTT button. This brings more convenience to you in the use of your radio.

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

- EAM12**: Detachable Transparent Acoustic Tube Earpiece with PTT&MIC cable
- EAM13**: 2-wire Surveillance Earpiece with VOX & Transparent Acoustic Tube (Black)
- SM26M1**: Remote Speaker Microphone without emergency button (IP54)
- PC76**: Data Programming Cable
- NCN011**: Nylon Carrying Jacket
- BL2010**: Li-ion battery (2000mAh)
- CH10A06**: Dual Pocket MCU Charger Kit (for Li-Ion/Ni-MH Batteries) (charger + power supply cable)
- MCA08**: MCU Multi-unit Rapid rate Charger
- ESM12**: Earbud with On-MIC PTT and VOX switch
- EHM20**: Swivel Earpiece with PTT&MIC cable
- EHM19**: C Style Earloop Earpiece with On-MIC PTT
- Long antenna**: Long antenna

Specifications

General	
Frequency Range	UHF: 450-520MHz
Channel Capacity	256
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	280g
Dimensions	112x54x30mm
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	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	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.



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