



WP275

Business DMR Portable Radio

A new generation of business radios, the entry level WP275 is compact, lightweight, and deliver loud and clear audio that allows you to hear and be heard in background noise. With it's innovative design, the WP275 has better performance than analogue radios. It is designed to offer stable communication while remaining cost-effective, making it suitable for everyday business communication.



KEY FEATURES

Compact & Lightweight
 Portable with a high-recognition dual-material body, the device weighs only 240g and measures 116 × 60 × 34 mm, offering 4W transmission power. Ideal for daily carry and extended field use.

TDMA Dual-Slot
 Supports dual-slot operation in both direct and repeater modes using TDMA, effectively expanding channel capacity and saving frequency resources.

Fast Type-C Charging
 Equipped with a Type-C fast-charging interface, the device reaches full charge in just 3 hours, significantly reducing downtime and enhancing operational readiness.

Loud and Clear Audio
 Integrated with a powerful 2W speaker, delivering clear and loud voice output for reliable communication even in noisy environments.

Advanced Digital Encryption
 Ensures secure communications with ARC40, AES128, and AES256 encryption standards, protecting voice transmissions against unauthorized access and eavesdropping.

Power-Saving Battery Mode
 Features an intelligent power-saving function, enabling longer battery life and extended operation time, especially critical during prolonged missions.

Rugged and User-Friendly Design
 Designed with a matte-textured, anti-slip, and impact-resistant housing, the device offers more easier for users to operate.

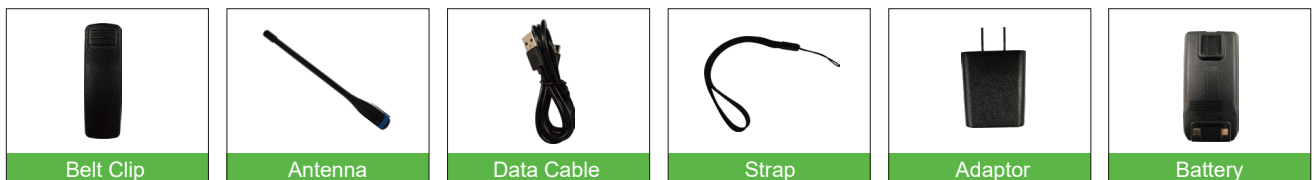
SPECIFICATIONS

General	
Frequency	400-470MHz/136-174MHz
Channel Capacity	32(2 zones*16 channel)
Channel Spacing	12.5KHz/25KHz
Operating Voltage	7.5V DC±20%
Operating Temperature	-20°C ~ +60°C
Battery Capacity	1800mAh
Dimension H*W*D(mm)	116*60*34mm
Weight (with battery and antenna)	≤240g
Battery Life (5-5-90 Duty Cycle)	Analog: 15 hours Digital: 18 hours
Digital Vocoder Type	AMBE++
Frequency Stability	±1.5ppm
Antenna Impedance	50Ω

Transmitter	
Power Output	UHF:4W/1W VHF:5W/1W
FM Modulation	11KΦF3E@12.5kHz; 16KΦF3E@25kHz
4FSK Digital Modulation	7K6ΦFXD@Date; 7K6ΦFXW@Date and Voice
FM Hum and Noise	≥40dB@12.5kHz; ≥45dB@25kHz
Audio Distortion	≤3%
Audio Response	+1~-3dB

Receiver	
Sensitivity Analog	≤0.22μV(Typical)(12dB SINAD)
Sensitivity Digital	0.22uV/BER5%
Intermodulation	≥65dB@12.5/25kHz
Adjacent Channel Selectivity	Analog: ≥60dB @12.5 kHz ; ≥70dB @25 kHz Digital: ≥60dB @12.5kHz
Blocking	≥84dB
Rated Audio Power	1W@16Ω (Max. Audio Power 2W)
Rated Audio Distortion	≤3%
BlockingHum and Noise	≥40dB@12.5kHz;≥45dB@25kHz
Conducted Spurious Emission	< -57dBm

ACCESSORIES



SCENARIOS

