



WD60 WD66 | New Generation DMR Professional Digital Radios



WD60



WD66



DMR



2.4-inch HD Display



Bluetooth 5.2



AI Noise Reduction



IP68



NFC

Overview

The WD6 series is new-generation professional DMR digital two-way radio with a newly designed exterior and optimized structure.

An improved operation layout and display enable faster and more efficient use, while AI-based intelligent noise reduction ensures clear voice communication in noisy environments.

Designed for private networks, the WD6 series delivers efficient, stable, and reliable communication support.



Reliable & Robust

- ▶ IP68
- ▶ MIL 810 C/D/E/F/G/H



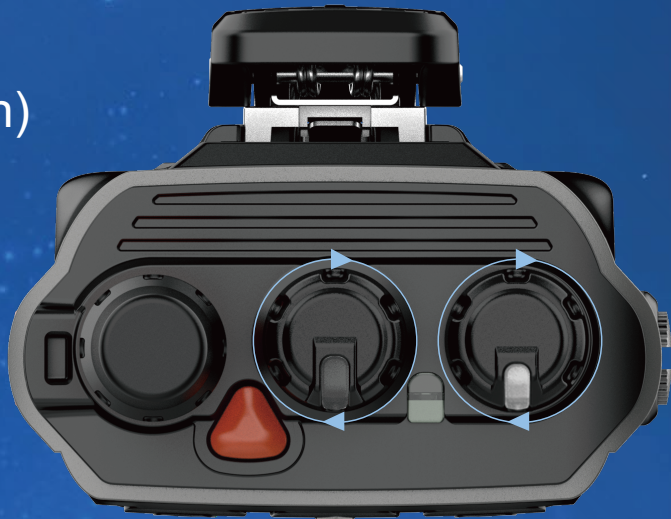
High-definition Color Screen with Flexible Operation

- ▶ 2.4-inch HD
Transflective Color Screen



Quick Response for Mission-Critical Communication

- ▶ Dual Knob Design
- ▶ TTS (Test-to-Speech)



Precise Positioning

- ▶ GPS Positioning
- ▶ NFC Patrol



Clear Audio & Powerful Sound

- ▶ 3W High-Power Speaker
- ▶ AI Noise Cancellation



Dual Charging Options for Fast and Flexible Powering

- ▶ Type-C Charging
- ▶ Cradle Charging



Application Scenarios



Emergency



Event Support



Public Safety



Traffic Management

Technical Parameters

General	
Frequency Range	350~400MHz, 400~480MHz
Channel Capacity	1024
Zone Capacity	248
Channel Spacing	12.5KHz/20KHz/25KHz
Operating Voltage	7.6V
Battery	2400mAh Li-ion (Standard), 3350mAh(Optional)
Dimension (with battery and without antenna)	38x56x32.8mm
Weight (with battery and antenna)	386g
NFC	Support
Bluetooth	5.2
Positioning	GPS, BDS, Single BeiDou, GLONASS, Galileo

Transmitter	
Frequency Stability	±0.5 ppm
Power Output	1W/4W(UHF)
Modulation Limiting	±2.5KHz@12.5KHz, ±5.0KHz@25KHz
FM Hum and Noise	40dB@12.5KHz, 45dB@20/25KHz
Conducted/Radiated Emission	-36dBm@<1GHz, -30dBm@>1GHz
Adjacent Channel Power	60dB@12.5KHz, 70dB@20/25KHz
Audio Response	+1~-3dB
Audio Distortion	3%
4FSK Digital Modulation	12.5KHz Data:7K60F1D&7K60FXD, 12.5KHz Voice:7K60F1E&7K60FXD Combination of 12.5KHz Voice and Data:7K60FXW
FM Modulation	12.5KHz:11K0F3E, 25KHz:16K0F3E
Digital Protocol	ETSI TS 102 361-1, -2, -3, -4
Digital Vocoder Type	AMBE+2™

Receiver	
Frequency Stability	±0.5ppm
Analog Sensitivity	0.18μV(12dB SINAD), 0.16μV(typical)(12dB SINAD)
Digital Sensitivity	0.18μV/BER5%
Intermodulation	TIA603C:70dB ETSI:65dB
Adjacent Channel Selectivity	ETSI:60dB@12.5KHz, 70dB@20/25KHz
Spurious Response Rejection	TIA603C:70dB ETSI:70dB
Rated Audio Power	>2W
Rated Audio Distortion	≤3%(typical)
Hum and Noise	40dB@12.5KHz, 45dB@20/25KHz
Audio Response	+1~-3dB
Conducted Spurious Emission	-57dBm@<1GHz, -47dBm@1GHz

All specifications are tested according to applicable standards, and subject to change without notice due to continuous development.