



DP585

DMR Portable Radio

Compact & Lightweight

IP66 Water Proof

Secure Communication

Advanced Analog Signaling

Increased Call Capacity with DMO 2-slot operation.



**Kirisun DMR Solution
Delivers Significant Benefits**

DP585 DMR Portable Radio

KEY FEATURES AND BENEFITS

• Compact & Lightweight

The size is 115mm*54mm*30mm and weight is 276g.

• Reliable Design&IP66

The product is fully protected from foreign invasion and dust-proof. When it undergoes violent wave slashes or strong spray, the water amount entering shall not affect to a harmful extent.

• Increased Call Capacity with DMO 2-slot operation

The DMO-2 slot facility delivers the ability to have two digital calls taking place at the same time on the same frequency. This feature doubles the frequency capacity without the need or cost of applying for additional licensed frequency resources.

• Analog & Digital Mixed Channel

DP585 is able to detect both analog and digital signals and automatically switch between analog and digital mode. It is able to reply to the received call during the call hang time. This feature makes a better migration from analog to digital and save investment.

• Secure Communication

It supports ARC 40-bit encryption to guarantee communication safety and prevent from being eavesdropped. It also provides AES and DES as options

• Various Digital Signaling

It supports features such as Radio Check, Call Alert, Stun/Revive, Radio Kill, and Remote Monitor, which make radio management easy.

• Emergency call and Man Down (Optional)

It supports features including Emergency Call and Man Down to guarantee user's safety at all times.

• Bluetooth(Optional)

The bluetooth module built in DP585 enables users to communicate through a bluetooth earpiece.

• GPS(Optional)

Integrated GPS enables real-time tracking of mobile working team.

• Advanced Signaling

It supports multiple advanced analog signaling, including MDC1200, 2-Tone and 5-Tone and DTMF, providing better integration for existing analog radio fleets.

• Roaming(Optional)

Automatic roaming helps easy radio use among all sites of one IP Multi-Site Connect system.

SPECIFICATIONS

General

Frequency	400-470MHz/136-174MHz/450-520MHz
Channel Capacity	256
Channel Spacing	12.5kHz/25kHz
Weight	276g(with 2000mAh battery and antenna)
Size (with standard battery, without antenna)	115mm*54mm*30mm
Power Supply	7.4V nominal
Li-ion Battery (1500mAh)	Analog: 10. hrs Digital: 12hrs

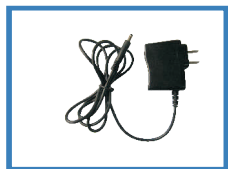
Transmitter

Frequency Stability	±1.5ppm
Power	Low power: 1W, High power: 4W (UHF) /5W (VHF)
Hum and Noise	-40dB@12.5kHz, -45dB@25kHz
Conducted/radiated emission	-36dBm@<1GHz, -30dBm@>1GHz
Adjacent Channel Power	-60dB@12.5kHz, -70dB@25kHz
FM Modulation	12.5kHz: 11K0F3E 25kHz: 16K0F3E
4FSK Digital Modulation	12.5kHz (data only): 7K60FXD 12.5kHz (data & voice): 7K60FXE 2.5kHz@12.5kHz, 5kHz@25kHz +3dB, -1dB 3% (Typical) AMBE+2™ ETSI TS 102 361-1, -2, -3
Modulation Limiting	
Audio Response	
Audio Distortion	
Vocoder	
Digital Protocol	

Receiver

Frequency Stability	±1.5ppm
Analog Sensitivity	0.22uV/-120dBm (12 dB SINAD)
Digital Sensitivity	0.22uV/-120dBm (typical)
Intermodulation	TIA603C: 70dB ETSI: 65dB
Adjacent Channel Selectivity	ETSI: 60dB@12.5kHz, 70dB@25kHz
Spurious Response Rejection	TIA603C: 75dB ETSI: 70dB
Conducted Spurious Emission	-57dBm@<1GHz, -47dBm@>1GHz
Rated Audio Power	1W
Rated Audio Distortion	3% (typical)
Hum and Noise	-40dB@12.5kHz, -45dB@25kHz
Audio Response	+1dB, -3dB

STANDARD ACCESSORIES



Adapter



KBC-58Q



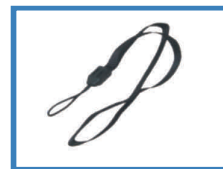
KB-75A



KBJ-17



Antenna



KGS-03



Kirisun Communications Co.,Ltd.

FC CE ① ISO9001: 2008 Accredited Designer & Manufacturer

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