



DP580/585/586

DMR Portable Radio

Compact & Lightweight for easy daily use

Reliable design with IP66 for all hazardous environment

Secure communications with advanced digital encryption AES&DES

Multiple Analog Signalings

Increased Call Capacity with DMO 2-slot operation

Professional features for GPS and bluetooth option



**Kirisun DMR Solution
Delivers Significant Benefits**



DP580



DP585



DP586

DP580/585/586 DMR Portable Radio

KEY FEATURES AND BENEFITS

• Reliable Design&IP66

The products are 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 and Mixed Channels

DP585/586/580 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 Communications

It not only supports ARC 40-bit encryption to guarantee communication safety and prevent from being eavesdropped, but also provides AES and DES as options.

• Various Digital Signalings

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

• Man Down (Optional)

It supports Man Down to guarantee user's safety at all times.

• Bluetooth(Optional)

The bluetooth module built in DP585/586/580 enables users to communicate through a bluetooth earpiece.

• GPS(Optional)

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

• Multiple Signalings

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

• Roaming

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

SPECIFICATIONS

General

Frequency	400-470MHz/136-174MHz/350-400MHz
Channel Capacity	256
Channel Spacing	12.5kHz/25kHz
Weight	300g(DP585), 316g(DP580/586)
Size (with standard battery, without antenna)	116mm*54mm*30mm(DP585) 116mm*54mm*34mm(DP580/586)
Power Supply	7.4V nominal
Li-ion Battery (2000mAh)	Analog: 17. hrs Digital: 16hrs

Transmitter

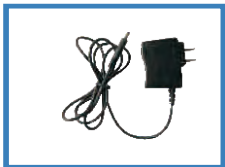
Frequency Stability	±1.5ppm
Power	Low power: 1W, High power: 4W (UHF) /5W (VHF)
Hum and Noise	-40dB@12.5kHz, -45dB@25kHz
Conducted / radiated emission	-36dB@<1GHz, -30dB@>1GHz
Adjacent Channel Power	-60dB@12.5kHz, -70dB@25kHz
FM Modulation	12.5kHz: 11K0F3E 25kHz: 16K0F3E
4FSK Digital Modulation	12.5kHz Data: 7K60F1D&7K60FXD 12.5kHz Voice: 7K60F1E&7K60FXE Combination of 12.5kHz Voice and Data: 7K60F1W
Modulation Limiting	2.5kHz@12.5kHz, 5kHz@25kHz
Audio Response	+3dB, -1dB
Audio Distortion	3% (Typical)
Vocoder	AMBE+2™
Digital Protocol	ETSI TS 102 361-1, -2, -3

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

All specifications are subject to change without notice due to continuous development.

STANDARD ACCESSORIES



Adapter



KBC-58Q



KB-75A



KBJ-17



Antenna



KGS-03



Shenzhen Kirisun Communications Co., Ltd.

FC CE ISO9001: 2015 Accredited Designer & Manufacturer

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