



DP485/480

DMR Portable Radio

Increased Call Capacity with DMO 2-slot operation
GPS Real Time Location
IP66 Rating
Roaming



KIRISUN Digital/Analog Radio

DP485

DP485/480 DMR Portable Radio

KEY FEATURES AND BENEFITS

• Analog, Digital and Mixed Mode

DP480/DP485 is able to detect both analog and digital signals and automatically switching between analog and digital mode. It is able to reply to the received call during the call hang time. This feature makes for better migration from analog to digital and saves investment.

• 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.

• GPS (Optional)

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

• IP66 Rating

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

• Secure Communication

It supports ARC 40-bit encryption to guarantee communication safety and prevents from being eavesdropped.

• Multiple Emergency Alarm Modes and Remote Control

The emergency feature supports multiple alarm modes such as top priority alarm and others. Remote management services such as Radio Check, Kill, Revive, Lone Worker, Remote Monitor and others are supported.

• Roaming

Automatic roaming helps you to use the radio freely among all sites of IP Multi-Site Connect systems.

• Self-defined Voice Annunciation

The user can directly download voice annunciation of different languages and also zone alert tone to the radio through the PC software based on the actual needs. After powering on, the voice annunciation will automatically switch to the local language.

• Programmable Key for Easy Operation

There are three programmable keys for the user to program their most-used features, easy and convenient.

• Pseudo Trunk

This feature can improve frequency efficiency by allocating the free slot to a member and helps you to communicate timely in an emergency.

SPECIFICATIONS

General

Frequency Range	136-174MHz, 400-470MHz
Channel Capacity	256
Zone Capacity	16
Channel Spacing	25KHz/12.5KHz(Analog) 12.5KHz(Digital)
Operating Temperature	-30°C~ +60°C
Operating Voltage	7.5V DC $\pm$ 20%
Battery	2000mAh Li-ion(Standard)
Dimension (with battery, without antenna)	116mm*54mm*31mm
Weight (with battery and antenna)	275g

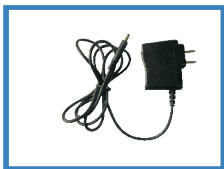
Transmitter

RF Power Output	5W/1W(VHF) 4W/1W(UHF)
Frequency Stability	$\pm$ 1.5 ppm
Frequency Modulation	16K ϕ F3E/11K ϕ F3E(Analog) 4FSK(Digital)
Antenna Impedance	50 Ω
Modulation Limiting	$\pm$ 2.5KHz @12.5KHz, $\pm$ 5KHz@25kHz
Radiated Spurious Emission	-36dBm < 1GHz, -30dBm > 1GHz
Adjacent Channel Power	60dB@12.5KHz, 70dB@25KHz
FM Noise	40dB@12.5KHz, 45dB@25KHz
Modulation Distortion	$\leq$ 3%
Audio Response	+1~-3dB
Digital Protocol	ETSI TS 102 361-1,-2,-3
Digital Vocoder Type	ABME+2™

Receiver

Frequency Stability	$\pm$ 1.5 ppm
Reference Sensitivity	-119dBm@12dB SINAD, -119dBm@5%BER
Adjacent Channel Selectivity	-60dB@12.5KHz, -70dB@25KHz
Intermodulation	-65dB
Spurious Response Rejection	70dB
Rated Audio Output	1W@16 Ω
Hum and Noise	-40dB@12.5KHz, -45dB@25KHz
Rated Audio Distortion	$\leq$ 3% (typically)
Audio Response	+1~-3dB
Conducted Spurious Emission	-57dBm@<1GHz, -47dBm@>1GHz

STANDARD ACCESSORIES



Adapter



KBC-58Q



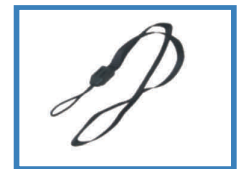
KB-75A



KBJ-17



Antenna



KGS-03



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FC CE ① ISO9001: 2015 Accredited Designer & Manufacturer

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