

# DP485/480

## **DMR Portable Radio**

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



### 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.

#### · User-defined Volume

It supports level adjustment for volume and it is user-defined. This feature helps to avoid volume change by accidental volume adjustment and prevents noise caused by non-level adjustment at the same time.

#### · 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 mostused features, easy and convenient.

#### · Preudo 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  $7.5VDC \pm 20\%$ 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 **\phi** F3E/11K **\phi** F3E (Analog) 4FSK(Digital)

Antenna Impedance 50Ω Modulation Limiting ±2.5KHz @12.5KHz, ±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 ≤3% Audio Response  $+1 \sim -3 dB$ Digital Protocol ETSITS 102 361-1,-2,-3 Digital Vocoder Type  $ABME + 2^{TM}$ 

#### Receiver

Frequency Stability Reference Sensitivity -119dBm@12dB SINAD, -119dBm@5%BER Adjacent Channel Selectivity -60dB@12.5KHz,-70dB@25KHz Intermodulation Spurious Response Rejection Rated Audio Output **Hum and Noise** Rated Audio Distortion

-40dB@12.5KHz, -45dB@25KHz ≤3% (typically) Audio Response  $+1\sim-3dB$ Conducted Spurious Emission -57dBm@<1GHz,-47dBm@>1GHz

#### STANDARD ACCESSORIES

±1.5 ppm

-65dB

70dB

1W@16Ω













KGS-03 Antenna



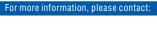
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