



# DP405

## DMR Portable Radio

Modern design with slim form factor  
Emergency and Lone Worker features  
Dual mode (analogue & digital) for smooth migration  
DMO 2-slot increases call capacity  
Standard 2000mAh Lithium Ion Battery



KIRISUN Digital/Analog Radio

DP405

# DP405 DMR Portable Radio

## KEY FEATURES AND BENEFITS

### Self-defined Voice Annunciation

Upload channel voice annunciation files to the radio through the programming software. Provides tailored channel names on channel change.

### Compact Size with High Audio Output

The DP405 has a 1w high-power loudspeaker, which combined with advanced digital voice encoding and forward error correction, brings loud and clear audio, even in a noisy environment.

### Improved Call Capacity with DMO 2-slot

Features DMO 2-slot which allows two group calls on the same frequency, at the same time, in Direct Mode. Call capacity on a single frequency is therefore increased and can save licence costs.

### Smooth Transition and Compatibility with Both Analogue and Digital Mode

The DP405 supports both digital and analogue channels to allow ease of migration. The DP405 user can switch between analogue and digital channels to keep in touch.

### Longer Operation Duration

The TMDA technology used within the DP405, along with power-saving features, enables the battery to provide up to 16 hours use under normal conditions. This is provided by the standard high capacity lithium ion battery supplied with the radio.

### ARC 40-bit Encryption Guarantees Safe Communication

The DP405 supports ARC 40-bit encryption, which provides a very high level of security with transmissions. The encryption will help prevent eavesdropping and keep radio calls private to the user.

### Digital Radio Enhanced Features

The DP405 features Radio Check, Call Alert, Stun/Revive, Radio Kill and Remote Monitor. These enhanced features assist radio fleet management. (Requires a Kirisun display radio to operate these functions on the DP405).

### Emergency Call and Lone Worker

Enhance user safety with Emergency Call and Lone Worker functions. Features are programmable per channel.

## SPECIFICATIONS

### General

Frequency Range	136-174MHz, 350-400MHz 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 ±20%
Battery	2000mAh Li-ion
Dimension (with battery, without antenna)	116mm*54mm*31mm
Weight (with battery and antenna)	275g

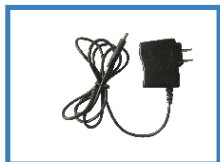
### Transmitter

RF Power Output	5W/1W(VHF) 4W/1W(UHF)
Frequency Stability	±1.5 ppm
Frequency Modulation	16K F3E/11K F3E(Analog) 4FSK(Digital)
Antenna Impedance	50
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~-3dB
Digital Protocol	ETSI TS 102 361-1,-2,-3
Digital Vocoder Type	ABME+2™

### Receiver

Frequency Stability	±1.5 ppm
Sensitivity	0.25µv@12dB SINAD, -119dBm@5%BER
Adjacent Channel Selectivity	-60dB@12.5KHz,-70dB@25KHz
Intermodulation	-65dB
Spurious Response Rejection	70dB
Rated Audio Output	1W@16
Hum and Noise	-40dB@12.5KHz,-45dB@25KHz
Rated Audio Distortion	≤3% (typically)
Audio Response	+1~-3dB
Conducted Spurious Emission block	-57dBm@<1GHz, -47dBm@>1GHz 84dB

## STANDARD ACCESSORIES



Adapter



KBC-760



KB-760B



KBJ-17



Antenna



KGS-03



**Kirisun Communications Co.,Ltd.**

FC CE ⓘ ISO9001: 2008 Accredited Designer & Manufacturer

ADD:3-6Flrs, ROBeta Building, No.1,Qimin Road, Song Pingshan Area, Science & Industry Park, Nanshan District, Shenzhen(518057), P.R.China.

Pc: 518057

Tel: +86-755-86096076

Email: marketing.os@szkirisun.com

Http: //www.kirisun.com

For more information, please contact:



ISO9001: 2008 Accredited Designer & Manufacturer