

# **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 2000aAH Lithium Ion Battery



### DP405 DMR Portable Radio

#### **KEY FEATURES AND BENEFITS**

#### **Self-defined Voice Annunciation**

Upload channel voice annunciation files to the radio though 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**

Weight (with battery and antenna)

General

Frequency Range 136-174MHz, 350-400MHz 400-470MHz Channel Capacity 256 Zone Capacity 16 25KHz/12.5KHz(Analog) **Channel Spacing** 12.5KHz(Digital) **Operating Temperature** -30°C~ +60°C Operating Voltage  $7.5V DC \pm 20\%$ Batterv 2000mAH Li-ion Dimension (with battery, without antenna) 116mm\*54mm\*31mm

Transmitter

RF Power Output 5W/1W(VHF) 4W/1W(UHF) Frequency Stability  $\pm 1.5~ppm$  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%

Modulation Distortion  $\leqslant 3\%$ Audio Response  $+1\sim -3$ dB
Digital Protocol ETSI TS 102 361-1,-2,-3
Digital Vocoder Type ABME+2 ™

#### Receiver

block

Frequency Stability
Sensitivity 0
Adjacent Channel Selectivity
Intermodulation
Spurious Response Rejection
Rated Audio Output
Hum and Noise
Rated Audio Distortion
Audio Response
Conducted Spurious Emission

0.25µv@12dB SINAD, -119dBm@5%BER
-60dB@12.5KHz,-70dB@25KHz
-65dB
70dB
1W@16
-40dB@12.5KHz,-45dB@25KHz
≤3% (typically)
+1~-3dB
-57dBm@<1GHz, -47dBm@>1GHz

84dB

 $\pm 1.5 ppm$ 

275g

## **STANDARD ACCESSORIES**



Adapter



KBC-760



KB-760B







Antenna KGS-03



#### Kirisun Communications Co.,Ltd.

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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:

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