



DMR Portable Radio

- Easy to Carry with Rugged Design
- Cost-effective
- Dual Modes(analog & digital)for Smooth Migration
- DMO 2-slot Increases Call Capacity
- User-defined Voice Announcement





DP405 DMR Portable Radio

Key Features and Benefits

Voice Annunciation

Channel number, zone change will be announced by voice. This helps operation under low visibility. This annunciation can be customized by user:

Clear and Loud Voice in Compact Size Device

Good audio quality provided by DMR technology and a IW high-power loudspeaker. Make it possible to hear loud and clear even in noisy environments.

Dual-timeslot Communication in DMO Mode

Provide Direct Mode Operation in 2 slots increasing channel capacity without increasing channel frequency spectrum.

Analog, Digital and Mixed Modes

DP405 is able to detect signal type when receiving a call and automatically switch between analog and digital mode. The user can reply during the call hang time using PTT. This feature improves migration from analog to digital.

Long Operation Time

TDMA technology and power-saving feature enable the battery to work longer. DP405 with standard 2000mAh battery can work up to 15-18 hours in 5-5-90 mode.

Digital Encryption

DP405 supports ARC 40-bit encryption, which guarantees communication safety and improve communication privacy. Encryption function provide further protection against over-the-air interception.

Various Digital Signaling

DP405 supports features such as Radio Check, Call Alert, Stun/Revive, Radio Kill, and Remote Monitor, which make the radio management easy.

Man Down (optional)

DP405 supports Man Down to guarantee user's safety at all times.

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.

All specifications are tested according to applicable standards, and subject to change without notice due to continuous development.

Specifications

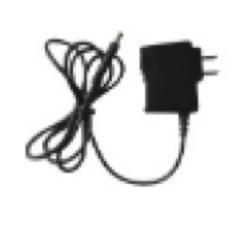
General		
Frequency Range	136-174MHz, 350-400MHz,	
	400-470MHz,400-520MHz	
Channel Capacity	256	
Zone Capacity	16	
Channel Spacing	25kHz/12.5kHz(Analog) ; 12.5kHz(Digital)	
Operating Voltage	7.4V DC ±20%	
Battery	2000mAH Li-ion(Standard)	
Battery Life	Analog:15 hours@2000mAh	
(5-5-90 Duty Cycle, High TX Power)	Digital: 18 hours @2000mAh	
Frequency Stability	±1.5 ppm	
Antenna Impedance	50Ω	
Dimension(H·W·D)	16mm*54mm*3 mm	
(with battery, without antenna)		
Weight	280g(2000mAh)	
(with standard battery)		
LCD Display	None	

Receiver	
Sensitivity Analog	0.22µV@12dB SINAD
Sensitivity Digital	0.22uV@BER5%
Selectivity	60dB@12.5kHz,70dB@25kHz(TlA-603)
	60dB@12.5kHz, 70dB@25kHz(ETSI)
Spurious Response Rejection	60dB@12.5kHz, 70dB@25kHz(TIA-603)
	60dB@12.5kHz, 70dB@25kHz(ETSI
Inter-modulation	70dB@12.5kHz/25kHz(TIA-603)
	65dB@12.5kHz/25kHz(ETSI)
Hum and Noise	40dB@12.5KHz, 45dB@25KHz
Rated Audio Power Output	ΙW@ Ι6Ω
Rated Audio Distortion	≤3%(typically)
Audio Response	+1~-3dB
Conducted Spurious Emission	-57dBm@<1GHz,-47dBm@>1GHz

Transmitter	
RF Power Output	VHF: I W/5W; UHF: I W/4W
FM Modulation	1 КФF3E@,12.5kHz;16КФF3E@,25kHz
4FSK Digital Modulation	7K6ФFXD@Data;7K6ФFXW@Data+Voice
Modulation Limiting	±2.5kHz@12.5KHz; ±5kHz@25kHz
Radiated Spurious Emission	-36dBm < IGHz, -30dBm > IGHz
FM Hum & Noise	40dB@12.5kHz, 45dB@25kHz
Adjacent Channel Power	60dB@12.5kHz, 70dB@25kHz
Audio Response	+1~-3dB
Audio Distortion	3%
Digital Vocoder Type	AMBE+2™
Digital Protocol	ETSI-TS102 361-1,-2,-3

Environment Specifications	
Operating Temperature	-30°C~ +60°C
Storage Temperature	-40°C∼ +85°C
ESD	IEC610000-4-2(Level4)
	±4kV(Contact) ±8kV(air)

Standard Accessories













Adaptor

Single Unit Charger

Battery

Belt Clip

Antenna

Strap



Kirisun Communication Co.,Ltd.

3rd Floor, Building A, Tongfang Information Harbour, No. 11 Langshan Road, Nanshan District, Shenzhen 518057, P.R. China Tel: +86-755-86106898 | Email: marketing.os@kirisun.com | www.kirisun.com

EMAIL: sales@radiosource.co.za www.radiosource.co.za WEBSITE: +27 31 5647727 TEL:

radio source

Radiosource House, 53 St Andrews Drive, Durban North, KwaZulu-Natal, South Africa