



# DM588

## DMR Mobile

As a DMR mobile with fashionable design, totally functionality, DM588 brings extraordinary experience of digital communication in variety of scenarios such as taxis, passenger transport, logistics, public transport and self-drive tours.



KIRISUN Digital/Analog Radio

DM588

# DM588 DMR Mobile

## KEY FEATURES AND BENEFITS

### • Compact, Sophisticated and Stylish

Fashionable design, only 151 mm x 47 mm x 149 mm in size and weighs 1.15kg with a 1.8" color HD TFT screen.

### • Smart Digital-Analog Auto Detection

DM588 can be configured in analog, digital or mixed mode. When configured in mixed mode, the mobile dynamically switch mode depending on the type of signal received.

### • Versatile Voice Calls

Enhanced digital voice call feature facilitates call management between team members and ensures communication privacy.

### • Secure Communication

DM588 provides basic and enhanced encryption capability using ARC4 algorithm. It ensures secure communication on voice call and data transfer between team members. DES, and 256 bits AES encryption algorithm are optional.

### • Rich Signaling

Supports multiple advanced signaling, including MDC1200, DTMF, 2 tone and 5 tone, compatible to analog systems to achieve seamless analog to digital conversion.

### • Versatile Services

In addition to conventional communication services, DM588 provides multiple functions such as Text Message and Emergency calls.

### • Roaming

Automatic roaming helps you to use the radio freely among all sites on a IP Multi-Site Connect system.

### • Pseudo Trunk

Dynamically allocation of slot while using repeater mode. Improve channel utilization providing simultaneous communication on radios.

### • GPS Location (Optional)

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

## SPECIFICATIONS

### General

Frequency Range	136~174MHz,400~470MHz	
Channel Capacity	256	
Zone Capacity	16	
Channel Spacing	20kHz/25kHz/12.5kHz	
Operating Voltage	13.6±15%	
Current Drain	Standby	<0.6A
	Receive	<2.0A
	Transmit	<8A(25W)
Frequency Stability	0.5ppm	
Antenna Impedance	50 Ω	
Dimensions(H·W·D)	151mm×47mm×149mm	
Weight	1.15Kg	
LCD Display	1.77inch, 5 rows	

### Receiver

Sensitivity	Analog	0.22 μV(12dB SINAD)
	Digital	0.22μV/BER5%
Selectivity		60dB@12.5kHz, 70dB@20/25kHz(TIA-603)
		60dB@12.5kHz, 70dB@20/25kHz(ETSI)
Spurious Response Rejection		70dB@12.5/20/25kHz(TIA-603)
		70dB@12.5/20/25kHz(ETSI)
Hum and Noise		40dB@12.5kHz, 45dB@20/25kHz
Rated Audio Power Output		3W
Rated Audio Distortion		3% (Typical)
Audio Response		+1~-3dB
Conducted Spurious Emission		-57dBm@ < 1GHz, -47dBm @ > 1GHz

### Transmitter

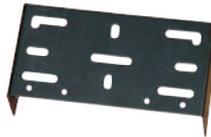
RF Power Output	Low Power:5W,High Power: 25W
FM Modulation	11K0F3E@12.5kHz,14K0F3E@20kHz, 16K0F3E@25kHz
4FSK Digital Modulation	12.5kHz Data: 7K60F1D&7K60FXD, 12.5kHz Voice: 7K60F1E&7K60FXE, Combination of 12.5kHz Voice and Data: 7K60F1W
Modulation Limiting	±2.5kHz@12.5kHz, ±4.0kHz@20kHz, ±5.0kHz@25kHz
FM Hum & Noise	40dB@12.5kHz,45dB@20kHz/25kHz
Adjacent Channel Power	60dB@12.5kHz,70dB@20kHz/25kHz
Audio Response	+1~-3dB
Audio Distortion	≤3%
Digital Vocoder Type	ABME+2™
Digital Protocol	ETSI-TS 102 361-1,-2,-3

All specifications are subject to change without notice due to continuous development.

## STANDARD ACCESSORIES



Palm Microphone



Mounting Bracket



Power Cord



Kirisun Communication Co.,Ltd.

FC CE ISO9001

### Headquarters

ADD: 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@szkirisun.com  
<https://www.kirisun.com/en>

### Kirisun NZ Limited

ADD:9 Knight Place Riccarton Christchurch 8041  
New Zealand  
Phone : 0800 454756  
Email : Sales@kirisun.nz  
<https://www.kirisun.nz>