

KIRISUN

DM588

DMR mobile

As a DMR mobile with fashionable design, totally digital 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*47*149 in size and weighs only 1.15kg with a 1.8" color HD TFT screen.

• Smart Digital-Analog auto detection

DM588 can be configured to analogue, digital or mixed mode. When configured to mixed mode, the mobile dynamically switch between analogue and digital depending on the type of received calls.

• 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, including ARC4, DES, and 256 bits AES encryption algorithm. It ensures secure communication on voice call and data transfer between team members.

• Rich Signaling

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

• Versatile Services

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

• Roaming

Automatic roaming helps you to use the mobile freely among all sites of IP Multi-Site Connect systems.

• Pseudo Trunk

This feature improves frequency efficiency by allocating the free slot to a member and helps you to communicate timely in an emergency.

• GPS Location (Optional)

The built-in GPS module supports real time tracking.

• Integrated Bluetooth (Optional)

Built-in Bluetooth enables users to communicate with others through Bluetooth earpiece.

SPECIFICATIONS

General

Frequency Range	136~174MHz, 400~470MHz
Channel Capacity	256 channels
Channel Spacing	12.5/20/25 kHz
Operating Voltage	13.6V (Rated)
Power	Low: 5W; High: 25W
Operating Temperature	-20~+60°C
Storage Temperature	-40~+85°C
Volume (H×W×D)	151*47*149
Weight	1.15kg
Frequency Stability	±1.5ppm
Digital Vocoder	AMBE+ +
Water-Proofing and Dust-Proofing	IP54 compliant
Impact and Vibration	US MIL-STD-810 C/D/E/F/G compliant

Transmitter

Power	5W/25W
FM Modulation	11K0F3E@12.5KHz/14K0F3E@20KHz/16K0F3E@25KHz
Conducted/Radiated Emission	-36dBm < 1GHz; -30dBm > 1GHz
Power of Adjacent Channel	60dB@12.5KHz/70dB@20KHz/70dB@25KHz
Audio Response	300-3KHz, +1/-3dB
Modulation Accuracy	15mV ± 10mV

Receiver

Sensitivity	Analogue		0.3uV (12dB SINAD) typical value; 0.22 uV (12dB SINAD) 0.3uV (5% BER)
	Digital		
Selectivity of Adjacent Channels	Digital	12.5kHz/TIA-603	60dB
	Analogue	20kHz/TIA-603	70dB
		25kHz/TIA-603	70dB
Intermodulation	ETSI		65dB
	TIA-603		70dB
Spurious Response Rejection	TIA-603		70dB
	ETSI		70dB
Blocking	TIA-603		90dB
	ETSI		84dB
Rated Audio Power	Distortion < 5%		4W
	Distortion < 10%		5W
Rated Audio Distortion	≤ 5%		
Audio Response	300Hz~3kHz, +1/-3dB		
Conducted Spurious Emission	< -57dBm		

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

STANDARD ACCESSORIES



OmniPro

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