

DPR 5000

DMR Portable Radio



Compact & Lightweight for easy daily use

Reliable design with IP67 for all hazardous environment

Secure communications with advanced digital encryption AES&DES

Multiple Analog Signalings

Increased Call Capacity with DMO 2- slot operation



DPR 5000 DMR Portable Radio

MAIN FEATURES

• IP67 Complaint Radio

The products are fully protected from foreign invasion and dust-proof. When it undergoes violent wave slashes or strong spray, the water amount entering shall not affect to a harmful extent.

• Increased Call Capacity with DMO 2-slot operation

The DMO-2 slot facility delivers the ability to have two digital calls taking place at the same time on the same frequency. This feature doubles the frequency capacity and very useful from user point of view.

• Analog, Digital and Mixed Modes

DPR5000 is able to detect both analog and digital signals and automatically switch between analog and digital mode. It is able to reply to the received call during the call hang time. This feature makes a better migration from analog to digital and vice-versa.

• Secure Communications

It supports ARC 40-bit encryption to guarantee communication safety and prevent from being eavesdropped, it also provides AES and DES options.

• Various Digital Signalings

It supports features such as Radio Check, Call Alert, Stun/Revive, Radio kill and remote monitor, which make radio management easy (decoder only).

• GPS

Integrated GPS enables real-time tracking of mobile working team.(Optional)

• Multiple Signalings

It Supports multiple advance analog signaling, including MDC1200, 2 Tone and 5 Tone and DTMF, providing better integration for existing analog radio.

• Roaming

Automatic roaming facility available for multi-site operation.

SPECIFICATIONS

General

Frequency	400-470MHz/136-174MHz
Channel Capacity	256
Channel Spacing	12.5/20/25 KHz
Weight	290g
Size (with std battery, without antenna)	135mm*63mm*34mm
Power Supply	7.4V nominal
Li-ion Battery	2300mAH
Frequency Stability	<± 0.5ppm

Transmitter

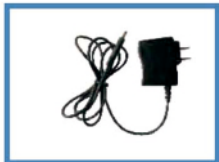
Power	Low power :1W. High power :4W(UHF) /5W (VHF)
Hum and Noise	>-40dB@12.5KHz,>-45dB@25 KHz
Conducted/ radiated emission	-36dBm@<1GHz, -30dBm@>1GHz
Adjacent Channel Power	-60dB@12.5KHz & -70dB@25KHz
FM Modulation	11K0F3E/16K0F3E
4FSK Digital Modulation	7K60FXE/7K60FXW/ 7K60FXD/7K60F1W
Modulation Limiting	± 2.5KHz@12.5KHz, ±5KHz@25KHz
Audio Response	+1dB, -3dB (300Hz - 3000Hz)
Audio Distortion	<3%
Vocoder	AMBE+2
Digital Protocol	ETSI TS 102 361-1, -2,-3

Receiver

Analog Sensitivity	0.18uV (12 dB SINAD)
Digital Sensitivity	0.16uV at 5%BER
Intermodulation	>65dB
Adjacent Channel Selectivity	>65dB
Spurious Response Rejection	>75dB
Conducted Spurious Emission	-57dBm@<1GHz, -47dBm@>1GHz
Rated Audio Power	>1W
Rated Audio Distortion	<3%
Hum and Noise	-40dB@12.5KHz, >-45dB@25KHz
Audio Response	+1dB, -3dB (300Hz- 3000Hz)

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

STANDARD ACCESSORIES



BIS Approved Adapter



Battery Charger



BIS Approved
Li-ion 7.4V/2300 mAH



Belt Clip



Antenna



Handstrap

CONTACT US

info@verteldigital.com

C-98, Sector-10, Industrial
Area, Noida - Delhi NCR
India 201301