



MDP-7000 Series

Digital/Analog Portable Radios

MDP-7124 5/1W VHF (136-174 MHz)

MDP-7424 5/1W UHF (406-470 MHz)

Features:

- 64 Zones, 1024 Channels Available Combined Across Zones
- DMR Tier 2, Analog, and Mixed Mode Operation
- 5/1-Watt RF Power Settings (Programmable)
- 1 Watt Audio output
- DC +7.4V Li-ion / 2600mAh or 3350 mAh Battery
- Multiple Scan Modes & Nuisance Delete
- Vivid 2.0" TFT LCD (176 x 220) Display
- Alpha-Numeric Full Keypad
- DTMF / 2-Tone Encode & Decode
- Contact List & Quick Call (240 Contacts)
- One Touch Text Messaging
- Etiquette (Vibration) Function Standard
- Voice Recording and Playback (Up to 63 recordings)
- Spanish Language Support
- Lone Worker Mode
- VOX (Voice Operated Transmit)
- Remote Stun / Revive / Monitor functions
- Programmable Side Buttons
- Controls Volume for MDS Series Wireless Loudspeakers
- IP67 (Waterproof)
- (H8) Multi-pin Locking Accessory Connector
- Encryption (AES-CTR 256 (Standard), DMRA-AES 256 (SW Option))
- Transmit Interrupt (SW Option)
- Man-Down Safety Feature (Factory Option)
- SFR (Single Frequency Repeater) (SW Option)

Maxon's MDP-7000 Series of powerful 5W two-way portable radios utilize the latest DMR digital technology (Text, Voice Record, Contacts, Encryption) with a large color display and essential Analog features (DTMF, 2Tone) in a waterproof IP-67 body and full keypad.

Great for golf courses, irrigation & siren control, security, forestry, fire depts, farms, & construction.



DMR

6 Cup Dual Slot Gang Charger -
Radio/Battery & Battery



SPECIFICATIONS

GENERAL

MDP-7124 VHF	136-174 MHz
MDP-7424 UHF	406-470 MHz
Channel Capacity	64 Zones; 1024 Ch. per Zone
Channel Spacing	12.5KHz(DMR), 12.5KHz/25KHz(Analog)
Digital Vocoder	AMBE++ Voice Compression Algorithm
Dimensions	130.51mm(H) x 62.6mm(W) x 39.05mm(D)
Frequency Stability	±1.5 PPM (-30° to +60° C)
Weight	275g
Power Source	DC +7.4V Li-ion / 2600mAh or 3350 mAh Battery
Current Drain (maximum)	Receive mode, rated audio out – 420 (Audio Max) Transmit mode – 1,200mA Standby mode – 100mA
Battery Life (Hours)	18hrs (Digital); 15hrs (Analog)

TRANSMITTER

RF Output Power	5/1 Watts
Adjacent Channel Power	60 dB @12.5 kHz
Spurious and Harmonic	-36 dBm (< 1GHz) -30 dBm (> 1GHz)
FM Hum and Noise	40dB (12.5KHz)
Audio Distortion	3% maximum with 1KHz modulation
Audio Frequency Response	+1, -3dB from 6dB per octave pre-emphasis Characteristic from 300 ~ 3000Hz
Output Impedance	50ohms

RECEIVER

Sensitivity	0.22uV 12 dB SINAD
Squelch Sensitivity	0.20uV 10dB SINAD
Selectivity	60dB @12.5KHz
Spurious and Harmonic Rejection	-36 dBm (< 1GHz) -30 dBm (> 1GHz)
FM Hum and Noise	40dB (12.5KHz)
Audio Output Power	1 Watt across a 16-ohm load
Audio Distortion	Less than 3% at rated output
Audio Response	+1, -3 dB from 6dB per octave de-emphasis Characteristic from 300 ~ 3000Hz
Input Impedance	50 ohms

Approvals	FCC	IC	CE
MDP-7124	VSODX-7100	184A-DX7100	CE 2784
MDP-7424	VSODX-7400	184A-DX7400	CE 2784

PACKAGE INCLUDES:

Radio, 2,600 mAh Li-Ion battery*, rapid rate desktop charger, antenna, belt clip and user manual. (Scan QR CODE to view User Manual)

Specifications are subject to change without notice.



ACCESSORIES



Charging & Power Options

Dual Slot Rapid Rate Desktop Charger
3,350 mAh Li-Ion Battery (*option)
6-Slot Unit Gang Charger Dual Slot



Speaker Mic Options (H8 Locking Connector)

Heavy Duty Speaker Microphone



Ear Piece Options (H8 Locking Connector)

"C" Style Earhook Speaker with Lapel Mic/PTT
Clear Earbud Speaker with Lapel Mic/PTT



Other Options

Programming Software and Cable (USB)
Leather Carrying Case w/Belt Loop/Swivel
Nylon Carrying Case w/Belt Loop



ENVIRONMENTAL

Operating Temperature	-30° C to +60° C
Storage Temperature	-40° C to +85° C
ESD	IEC 61000-4-2/±8KV/±15 KV
Dust & Water Protection	IP-67 Standard

RoHS
2002/95/EC



Manufactured to ISO-9002:2000 quality standard.

NOTE: Some features indicated by specifications listed are prohibited by FCC rule and are not available on models sold in the U.S. or its territories.

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