

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 / 2,600mAH Battery
- Multiple Scan Modes & Nuisance Delete
- Etiquette (Vibration) Function Standard
- Vivid 2.0" TFT LCD (176 x 220) Display
- Alpha-Numeric Full Keypad
- Contact List & Quick Call (240 Contacts)
- One Touch Text Messaging
- DTMF / 2-Tone Encode & Decode
- 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 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 farms, construction, golf courses, irrigation control, forestry, fire depts, siren control, & security.



DMR

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



MDP-7000 Series | Digital/Analog Portable Radios

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 2,600mAh 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



Charger Options

Dual Slot Rapid Rate Desktop Charger
2,600 mAh Li-Ion Battery
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.

maxon[®]
Maxon America, Inc.

11535 W. 83rd Terrace Lenexa, KS 66214
Tel: (800) 456-2071 - Tel: (913) 859-9515
Fax: (913) 859-9550

Web: www.maxonamerica.com
E-mail: maxon@maxonamerica.com